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Addendum Report - to supplement the Stage 2 – Independent Daylight Review Report for Oxygen Towers, Store Street, Manchester M1 2FU dated 17/12/2025

In Relation to:

Stocktons, 140 Great Ancoats Street,
Manchester M4 6DU

Project Number - EKA251011

13 January 2026

On Behalf of:

Rob McCann
Community Manager
Urbanbubble,
Sevendale House,
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Manchester,
M1 1JA

**Dependable Specialists
in Natural Light Matters**

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2.0 Executive Summary

An independent Addendum Report daylight assessment has been completed by Akt Rights to Light Surveyors against the proposed Stocktons Site, 140 Great Ancoats Street, Manchester M4 6DU. The assessment focused on the impact on Oxygen Towers, Store Street, Manchester M1 2FU and the future context surrounding the development site for, the assessment was conducted on behalf of the residents and Urbanbubble limited.

A digital 3D model replicating the existing and proposed building mass, including the assessed neighbouring properties and wider context properties were used within this assessment to calculate the light loss using specialist lighting software.

A thorough planning search investigation has been conducted to establish the internal layouts of each assessed property. This information was used within the digital 3D model and technical assessment to simulate the existing and proposed light levels within each property. Where appropriate, neighbouring consented schemes currently being implemented have been included within this assessment as part of the baseline assessment. This assessment has been conducted in accordance with the criteria set out in the BRE (Building Research Establishment) 209 guidance paper, 'Site layout planning for daylight and sunlight, A guide to good practice' 3rd Edition 2022 in line with Manchester City Council planning requirements.

The 17 December 2025 assessment focused on 8 different scenarios which are detailed in the report, the additional assessment scenario covered in this addendum is summarised below based on Akt's Independent review and Stage 2 technical analysis.

Existing vs Proposed (Plus Emerging Context and East Village SRF Update):

The overall residual scenario of Existing vs Proposed (Plus Emerging Context and East Village SRF Update) is by far the worse impact of all the 9 scenarios we have assessed. On average 4 out of every 5 rooms assessed within Oxygen Towers north elevation will be substantially affected by the proposed plans and have their light decimated. The Store Street facing residents in Oxygen Towers will begin to experience these permanent light loss levels over the next 2 to 5 years if Manchester City Council allow this development and the planned emerging context to materialise with the current proposed height, bulk and massing.

Since becoming involved in this matter, our stance has not changed in regard to the impact of the proposed Stocktons development on Oxygen Towers. This assessment has further cemented my concerns regarding the future amenity for the Oxygen Tower residents on the Store Street elevation. Everyone will be affected by the development from the 1st floor to the

32nd floor and the majority will experience catastrophic light losses to the point that artificial lighting may be required on a permanent basis to function within their property.

Our independent review and technical analysis has revealed the need to seriously consider the validity of the application in terms of light loss and amenity. The scheme cannot be allowed to generate this extortionate level of light loss and a major redesign is required to ensure that it is more sympathetic to Oxygen Towers. This is especially evident based on the results contained within this report. The results show that Building A is situated too close to Oxygen Towers however the results are packaged. This assessment demonstrates that the Stocktons current planning application is harmful and to the detriment of Oxygen Towers' natural light. It is recommended that the planning committee take heed of this report and reject / defer the application decision until such time the design allows / maintains sufficient light into Oxygen Towers.

This message is even more critical now that we fully understand and appreciate the severity of the results of the emerging context which would take away the miniscule daylight levels left following the completion of a consented Stocktons development in its current guise.

3.0 Introduction

Akt Rights to Light Surveyors Limited have been instructed by Urbanbubble Limited (“the client”) managing agents of Oxygen Towers, Store Street, Manchester M1 2FU (“the affected property”) to undertake an independent Addendum Assessment for Stage 2 technical daylight assessment review, establishing the impacts for the Stocktons, 140 Great Ancoats Street, Manchester M4 6DU planning application scheme (ref:142535/FO/2025) by Simpsonhaugh Architects (“the development site”) on Oxygen Towers residential properties’ amenity for daylight.

This report is based on assessing an additional scenario on top of the 8 scenarios beyond those assessed by Stocktons’ own Daylight consultant (GIA) listed below and reported in the Akt Daylight Report dated 17 December 2025: -

- Appendix 1.1: Existing vs Proposed
- Appendix A.1: Mirror Mass vs Proposed
- Appendix B.1: Existing vs Proposed (Plus Emerging Context)
- Appendix C.1: Mirror Mass vs Proposed (Plus Emerging Context)
- Appendix D.1: Existing vs Proposed (Serving Suggestion 1)
- Appendix E.1: Existing vs Proposed (Serving Suggestion 2)
- Appendix F.1: Existing vs Proposed Cut Back
- Appendix G.1: Mirror Mass vs Proposed Cut Back

The additional assessment covered in this Addendum Report covers the following scenario.

- Appendix H.1: Existing vs Proposed (Plus Emerging Context and East Village SRF Update)

All Stage 2 technical findings within this report have been generated in accordance with the assessment methods outlined in the Building Research Establishment’s (“BRE”) BR 209 guide – ‘Site Layout Planning for Daylight and Sunlight: A Guide to Good Practice’ (2022) 3rd Edition.

The results summarised in the various scenarios assessed should not be interpreted in the context of any scheme other than the Simpsonhaugh Architects planning application scheme (ref:142535/FO/2025) except with written confirmation from Akt.

4.0 General

Daylight, sunlight and overshadowing is a material planning consideration generally guided by the Building Research Establishment's ("BRE") BR 209 guide – 'Site Layout Planning for Daylight and Sunlight: A Guide to Good Practice' (2022). The guide sets out numerical target values for various methods of assessing natural lighting adequacies both within and around buildings.

At Page 7 Section 1.6 (Introduction), the guide states:

1.6 The guide is intended for building designers and their clients, consultants, and planning officials. The advice given here is not mandatory and the guide should not be seen as an instrument of planning policy; its aim is to help rather than constrain the designer. Although it gives numerical guidelines, these should be interpreted flexibly since natural lighting is only one of many factors in site layout design (see Section 5). In special circumstances the developer or planning authority may wish to use different target values. For example, in a historic city centre, or in an area with modern high-rise buildings, a higher degree of obstruction may be unavoidable if new developments are to match the height and proportions of existing buildings.

The BRE therefore acknowledge the numerous characteristics affecting construction projects and emphasise the purpose of BR 209 is to encourage good daylighting within buildings, not to create rigid planning constraints.

At Page 14 Section 2.2.2, the guide outlines methodology to be applied in respect of daylight to existing buildings. Here it states:

2.2.2 The guidelines given here are intended for use for rooms in adjoining dwellings where daylight is required, including living rooms, kitchens, and bedrooms. Windows to bathrooms, toilets, storerooms, circulation areas, and garages need not be analysed. The guidelines may also be applied to any existing non-domestic building where the occupants have a reasonable expectation of daylight; this would normally include schools, hospitals, hotels and hostels, small workshops, and some offices.

When assessing impacts on neighbouring daylight, therefore, primarily habitable spaces should be considered; save for some special circumstances where safeguarding daylight within certain sensitive non-domestic receptors might be important.

5.0 Methodology

A site visit was conducted on 20 November 2025 with access to the boundaries and roof top of Oxygen Towers, this allowed views of the neighbouring properties included in this assessment.

Desktop research into the relevant neighbouring properties was undertaken to establish current internal and external configurations, building and room uses, listed heritage status, and any other relevant planning related information pertaining to neighbouring land. This was done using a mix of desktop resources including the local online planning portal, current and historic mapping tools and photography databases and commercial real estate websites.

The Digital 3D model used for our technical assessment comprised of an existing and proposed scheme digital 3D model produced by Akt based on Simpsonhaugh Architects planning application drawings (ref:142535/FO/2025) along with the purchase of a contextual digital 3D Model produced by AccuCities Limited.

The Digital 3D model for Oxygen Towers was produced by Akt against the planning consented drawings by 5plus Architects.

Our technical analysis was undertaken using specialist daylight software which functions within AutoCAD (3D modelling programme) by applying the latest BRE methodology. The assessment of impacts on neighbouring daylight and sunlight comprises a vertical sky component assessment ("VSC") for both windows and rooms, a daylight distribution assessment ("DD").

6.0 Assumptions and Limitations

The 3D model used for our technical assessment was assembled using data obtained from various surveying and architectural sources. Whilst we have undertaken validation exercises to identify discrepancies, we cannot guarantee the absolute accuracy of any modelled elements not produced or altered materially by Akt.

All relevant neighbouring planning consents (within the vicinity of Oxygen Towers) that are currently being implemented have been included within the baseline of this assessment to cover worst case scenario.

All relevant neighbouring planning consents (within the vicinity of Oxygen Towers) that have not been implemented or started have also been included within the baseline of this assessment, they are highlighted in a purple colour within the 3D models. Again, this is to cover worst case scenario.

This Addendum Report covers the scenario where emerging context mass has been included within the proposed scenario, this covers the CRP Phase 2 highlighted in pink and the updated SRF East Village scheme. The colours match the relevant 3D models including the heights stated in the updated SRF East Village scheme plan shown below.

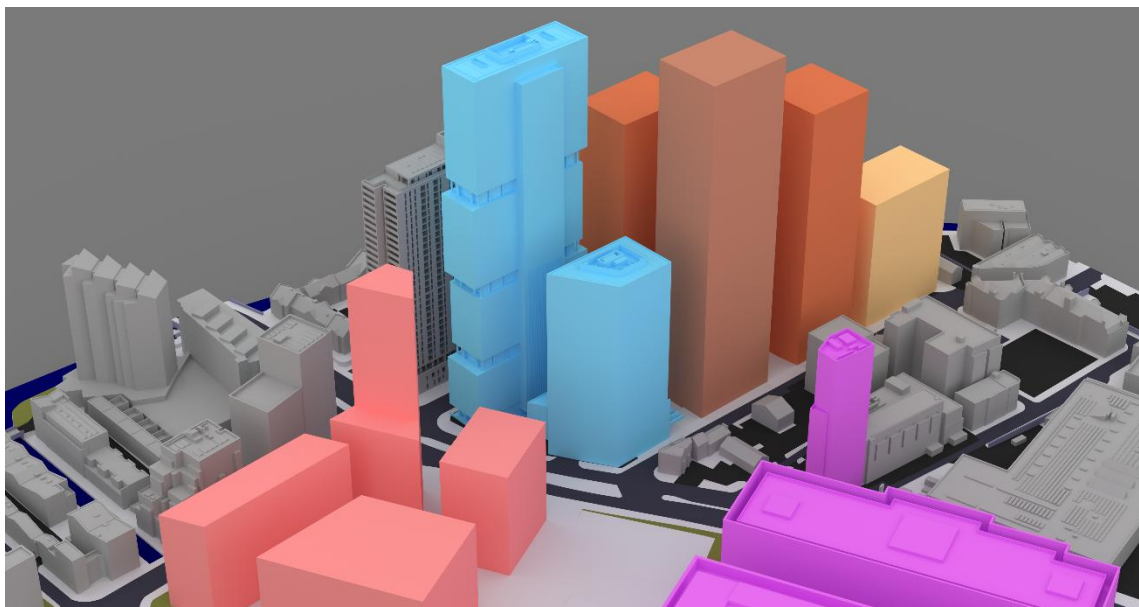


7.0 Existing vs Proposed (Plus Emerging Context and East Village SRF Update)

This is the existing site vs proposed (Plus Emerging Context and East Village SRF Update) development scenario. This is shown in the graphic of the 3D model images below. Aerial Image showing existing building in orange, full drawings in Appendix H.1 in EKA251011 DSO-3D_01, 03, 05, 07 & 09 Rev B.



Aerial Image showing proposed building in blue, full drawings in Appendix H.1 in EKA251011 DSO-3D_02, 04, 06, 08 & 10 Rev H.



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This scenario covers a double whammy, the true impact residents will face upon completion of the development if granted consent plus the additional impact in the future if the emerging context schemes are implemented.

8.0 Daylight Assessment on Oxygen Towers

Akt Drawing Convention

The 3D Model scenario views are in drawings: EKA251011 DSO-3D_01 to 10.

The Sample VSC Waldram Diagrams are in EKA251011 WD01.1, 01.2 and 01.3.

The Daylight Distribution Contour Drawings are in EKA251011 DD00.1 to 32.1.

The scenario drawings are covered by the revisions in their respective Appendices.

Appendix 1.1: Existing vs Proposed – **Rev -**

Appendix A.1: Mirror Mass vs Proposed – **Rev A**

Appendix B.1: Existing vs Proposed (Plus Emerging Context) – **Rev B**

Appendix C.1: Mirror Mass vs Proposed (Plus Emerging Context) – **Rev C**

Appendix D.1: Existing vs Proposed (Serving Suggestion 1) – **Rev D**

Appendix E.1: Existing vs Proposed (Serving Suggestion 2) – **Rev E**

Appendix F.1: Existing vs Proposed Cut Back – **Rev F**

Appendix G.1: Mirror Mass vs Proposed Cut Back – **Rev G**

Appendix H.1: Existing vs Proposed (Plus Emerging Context and East Village SRF Update) – **Rev H**

For the purposes of quantifying the severity of reductions, all daylight losses beyond BRE criteria have been classified in accordance with the table at Figure 1 below.

Figure 1 – Severity classifications:

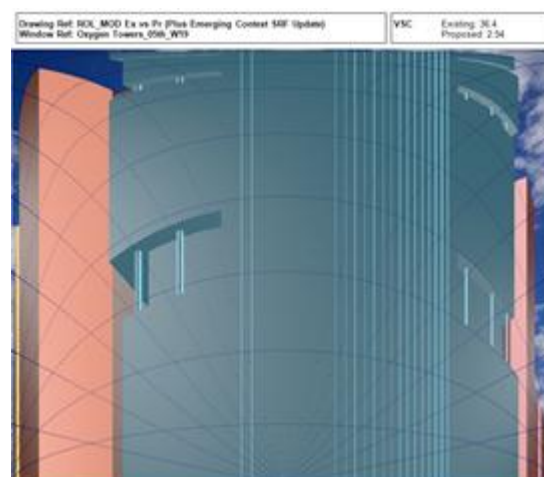
Severity Classification	Percentage Reduction
Meets BRE criteria	-0% to -19.99%
Minor losses	-20% to -29.99%
Moderate losses	-30% to -39.99%
Substantial losses	-40 to -100%

8.1 Vertical Sky Component Assessment Results: Daylight to windows

The VSC method does not measure actual light levels within a defined space, rather it measures the area of sky visible from the centre point of an external window face to provide an indication of the potential for light within a room directly from the sky.

The BRE states that an existing building will be adversely affected “if the vertical sky component is less than 27%, and less than 0.8 times its former value”. If a development therefore reduces an existing VSC by 20% or more and the remaining VSC is less than 27%, a BRE transgression will have occurred.

The summary tables below cover each scenario the results of our VSC assessment and the severity of impacts in each case against the overlooking windows of Oxygen Towers. Please refer to the relevant Appendix for a full breakdown of results. Each Appendix includes a sample set of VSC Waldram diagrams in drawings EKA251011 WD01.1, 01.2 and 01.3 Rev H, example below of Window 19, Room 11, 5th Floor Living / Kitchen / Diner.



The image above left is the existing VSC Waldram, the image above right is the identical window with proposed plus emerging context and East Village SRF Update.

Existing vs Existing vs Proposed (Plus Emerging Context and East Village SRF Update):

Property	Number of Windows Tested	Windows that meet BRE Guidelines		Windows that experience gains beyond the consented baseline		VSC Windows		
		No.	%	No.	%	No. of Windows Experiencing Adverse Impacts		
						20-29.99% loss (minor adverse losses)	30-39.99% loss (moderate adverse losses)	>40% loss (substantial losses)
Oxygen Towers	928	79	9%	0	0	16	21	812
Total	928	79	9%	0	0%	16	21	812

The results show that 79 (8.51%) of 928 windows assessed meet BRE criteria with a VSC reduction of less than 20% which is akin to a suburban setting. This is an urban setting, and 16 windows (1.72%) will experience a minor adverse impact that could be deemed

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acceptable in the urban context. **21 windows (2.26%) will experience a moderate adverse effect, and 812 windows (87.51%) will experience a substantial loss. That's a combined 89.77% failure rate.**

These are extremely poor results showing a major light loss to the majority of the Store Street elevation windows, the existing vs proposed scenario failure rate is 23%. This is set to increase to 90% with the emerging context plus East Village SRF Update, this is clearly unacceptable to the residents of Oxygen Towers.

8.2 Vertical Sky Component Assessment Results: Daylight to rooms

Further to the VSC method for windows, if a room has more than one window then the mean VSC figure for all windows can be used if those windows are lighting the same area of the room. This is to establish whether the rooms windows combined would meet BRE recommendations.

The summary tables below cover each scenario the results of our VSC assessment and the severity of impacts in each case against Oxygen Towers. Please refer to the relevant Appendix for a full breakdown of results. Each Appendix includes a sample set of VSC Waldram diagrams in drawings EKA251011 WD01.1, 01.2 and 01.3 Rev H.

Existing vs Proposed (Plus Emerging Context and East Village SRF Update):

Property	Number of Rooms Tested	Rooms that meet BRE Guidelines		Windows that experience gains beyond the consented baseline		VSC Rooms No. of Rooms Experiencing Adverse Impacts		
		No.	%	No.	%	20-29.99% loss (minor adverse losses)	30-39.99% loss (moderate adverse losses)	>40% loss (substantial losses)
Oxygen Towers	509	19	4%	0	0%	5	9	476
Total	509	19	4%	0	0%	5	9	476

The results show that 19 (3.7%) of 509 rooms assessed meet BRE criteria with a VSC reduction of less than 20% which is akin to a suburban setting. This is an urban setting, and 5 rooms (0.98%) will experience a minor adverse impact that could be deemed acceptable in the urban context. **9 rooms (1.76%) will experience a moderate adverse effect, and 476 rooms (93.56%) will experience a substantial loss. That's a combined 95.32% failure rate.**

These are extremely poor results showing a major light loss to the majority of the Store Street elevation rooms, the existing vs proposed scenario failure rate is 82%. This is set to increase to 95.32% with the emerging context plus East Village SRF Update, this is clearly unacceptable to the residents of Oxygen Towers.

8.3 Daylight Distribution Assessment Results: Daylight to rooms

The BRE guide suggests the daylight distribution (or no skyline) method can be used for existing buildings where room layouts are known. This assessment method measures the area of a room benefitting from light directly from the sky at a height of 850mm above floor (or 700mm above floor for non-domestic building types).

The BRE guide states Page 16 Section 2.2.1.1 that if “*If, following construction of a new development, the no sky line moves so that the area of the existing room, which does receive direct skylight, is reduced to less than 0.80 times its former value this will be noticeable to the occupants, and more of the room will appear poorly lit. This is also true if the no sky line encroaches on key areas like kitchen sinks and worktops*”

Contour drawings of each room assessed within Oxygen Towers are detailed in drawing numbers EKA-251011 DD_00.1 to 32.1 Rev H. The orange colour contour denotes the existing level of sky visibility; the blue colour contours show the level of zero sky visibility and the cross hatch colour shows the areas of the rooms that will lose sky visibility.

The summary tables below list the results of our DD assessment and the severity of impacts in each case. Please refer to relevant Appendix H, for a full breakdown of results.

Existing vs Proposed (Plus Emerging Context and East Village SRF Update):

Property	Number of Rooms Tested	Rooms that meet BRE Guidelines		Rooms that experience gains beyond the consented baseline		DD Rooms No. of Rooms Experiencing Adverse Impacts		
		No.	%	No.	%	20-29.99% loss (minor adverse losses)	30-39.99% loss (moderate adverse losses)	>40% loss (substantial losses)
Oxygen Towers	509	59	12%	1	0	35	32	383
Total	509	59	12%	1	0%	35	32	383

The results show that 59 (11.59%) of 509 rooms assessed meet BRE criteria with a DD reduction of less than 20% which is akin to a suburban setting. This is an urban setting, and 35 rooms (6.87%) will experience a minor adverse impact that could be deemed acceptable in the urban context. **32 rooms (6.28%) will experience a moderate adverse effect**, and **383 rooms (75.26%) will experience a substantial loss. A combined failure rate of 81.54%.**

These are extremely poor results showing a major light loss to the majority of the Store Street elevation rooms, the existing vs proposed scenario failure rate is 62%. This is set to increase to 81.54% with the emerging context plus East Village SRF Update, this is clearly unacceptable to the residents of Oxygen Towers.

9.0 Conclusions

An independent Addendum Report daylight assessment has been completed by Akt Rights to Light Surveyors against the proposed Stocktons Site, 140 Great Ancoats Street, Manchester M4 6DU. The assessment focused on the impact on Oxygen Towers, Store Street, Manchester M1 2FU and the future context surrounding the development site for, the assessment was conducted on behalf of the residents and Urbanbubble limited.

A digital 3D model replicating the existing and proposed building mass, including the assessed neighbouring properties and wider context properties were used within this assessment to calculate the light loss using specialist lighting software.

A thorough planning search investigation has been conducted to establish the internal layouts of each assessed property. This information was used within the digital 3D model and technical assessment to simulate the existing and proposed light levels within each property. Where appropriate, neighbouring consented schemes currently being implemented have been included within this assessment as part of the baseline assessment. This assessment has been conducted in accordance with the criteria set out in the BRE (Building Research Establishment) 209 guidance paper, 'Site layout planning for daylight and sunlight, A guide to good practice' 3rd Edition 2022 in line with Manchester City Council planning requirements.

The 17 December 2025 assessment focused on 8 different scenarios which are detailed in the report, the additional assessment scenario covered in this addendum is summarised below based on Akt's Independent review and Stage 2 technical analysis.

Existing vs Proposed (Plus Emerging Context and East Village SRF Update):

The overall residual scenario of Existing vs Proposed (Plus Emerging Context and East Village SRF Update) is by far the worse impact of all the 9 scenarios we have assessed. On average 4 out of every 5 rooms assessed within Oxygen Towers north elevation will be substantially affected by the proposed plans and have their light decimated. The Store Street facing residents in Oxygen Towers will begin to experience these permanent light loss levels over the next 2 to 5 years if Manchester City Council allow this development and the planned emerging context to materialise with the current proposed height, bulk and massing.

Overall Summary:

Since becoming involved in this matter, our stance has not changed in regard to the impact of the proposed Stocktons development on Oxygen Towers. This assessment has further cemented my concerns regarding the future amenity for the Oxygen Tower residents on the Store Street elevation. Everyone will be affected by the development from the 1st floor to the

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32nd floor and the majority will experience catastrophic light losses to the point that artificial lighting may be required on a permanent basis to function within their property.

Our independent review and technical analysis has revealed the need to seriously consider the validity of the application in terms of light loss and amenity. The scheme cannot be allowed to generate this extortionate level of light loss and a major redesign is required to ensure that it is more sympathetic to Oxygen Towers. This is especially evident based on the results contained within this report. The results show that Building A is situated too close to Oxygen Towers however the results are packaged. This assessment demonstrates that the Stocktons current planning application is harmful and to the detriment of Oxygen Towers' natural light. It is recommended that the planning committee take heed of this report and reject / defer the application decision until such time the design allows / maintains sufficient light into Oxygen Towers.

This message is even more critical now that we fully understand and appreciate the severity of the results of the emerging context which would take away the miniscule daylight levels left following the completion of a consented Stocktons development in its current guise.

May I remind you that we are still yet to review Oxygen Towers' legal easement to natural light over and above the Stocktons site, now that we have our own assessment model we can provide this advice in due course.

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10.0 Appendices

Appendix H.1: Existing vs Proposed (Plus Emerging Context and East Village SRF Update)

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10.1 Appendix H.1

Mirror Mass vs Proposed (Plus Emerging Context and East Village SRF Update)



**Daylight Assessment -
Existing vs Proposed
(+EC SRF update)**

REV	DATE	DESCRIPTION	DB	CB
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KEY

- | | |
|--------------------------------|--|
| Surrounding Buildings | |
| Existing Stocktons Buildings | |
| Proposed Stocktons Development | |
| Neighbouring Consented Schemes | |
| Emerging Context, SRF Massing | |
| Emerging Context, CRP Phase 2 | |
| Oxygen Towers - Mirror Massing | |

SOURCES OF INFORMATION

- Existing Stocktons Building**
AccuCities digital 3D AutoCAD model.
- Proposed Stocktons Development**
3D model produced by Akt. Rights of Light Surveyors Ltd using Simpsonhaugh planning application drawings.
- Contextual 3D Model**
AccuCities digital 3D AutoCAD model.
- Oxygen Towers**
3D models by Akt. Rights of Light Surveyors Ltd using 5plus Architects planning consented drawings.
- Neighbouring Consented Buildings**
AccuCities digital 3D AutoCAD model.
- Emerging Context**
3D model produced by Akt. Rights of Light Surveyors Ltd using Simpsonhaugh DAS planning application drawings.

TITLE

EXISTING 3D MODEL -
PLAN VIEW

PROJECT

Stocktons, Manchester

CLIENT

Urbanbubble Limited

DRAWN BY DW	CHECKED BY DW	DATE 08/01/2026
SCALE @ A3 NTS	PROJECT NUMBER EKA251011	
DRAWING NUMBER DSO-3D01		REV H





**Daylight Assessment -
Existing vs Proposed
(+EC SRF update)**

REV	DATE	DESCRIPTION	DB	CB
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- Emerging Context**
3D model produced by Akt. Rights of Light Surveyors Ltd using Simpsonhaugh DAS planning application drawings.

TITLE PROPOSED 3D MODEL -
PLAN VIEW

PROJECT
Stocktons, Manchester

CLIENT
Urbanbubble Limited

DRAWN BY DW	CHECKED BY DW	DATE 08/01/2026
SCALE @ A3 NTS		PROJECT NUMBER EKA251011
DRAWING NUMBER DSO-3D02		REV H



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**Daylight Assessment -
Existing vs Proposed
(+EC SRF update)**

REV	DATE	DESCRIPTION	DB	CB
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| Proposed Stocktons Development |  |
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| Emerging Context, CRP Phase 2 |  |
| Oxygen Towers - Mirror Massing |  |

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- Emerging Context**
3D model produced by Akt. Rights of Light Surveyors Ltd using Simpsonhaugh DAS planning application drawings.

TITLE

EXISTING 3D MODEL -
SOUTH VIEW

PROJECT

Stocktons, Manchester

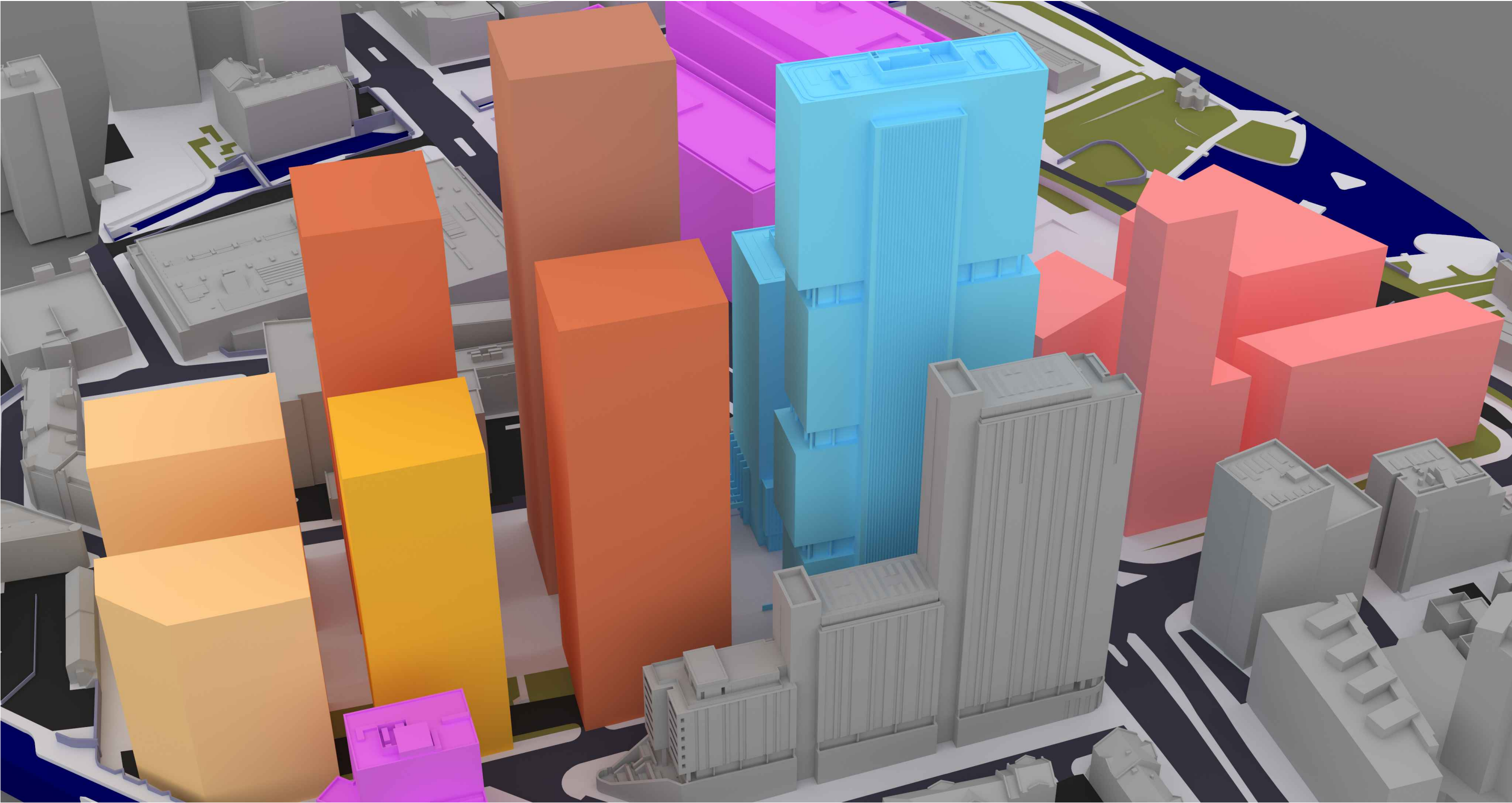
CLIENT

Urbanbubble Limited

DRAWN BY DW	CHECKED BY DW	DATE 08/01/2026
SCALE @ A3 NTS	PROJECT NUMBER EKA251011	
DRAWING NUMBER DSO-3D03		REV H



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**Daylight Assessment -
Existing vs Proposed
(+EC SRF update)**

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TITLE PROPOSED 3D MODEL -
SOUTH VIEW

PROJECT
Stocktons, Manchester

CLIENT
Urbanbubble Limited

DRAWN BY DW	CHECKED BY DW	DATE 08/01/2026
SCALE @ A3 NTS		PROJECT NUMBER EKA251011
DRAWING NUMBER DSO-3D04		REV H





**Daylight Assessment -
Existing vs Proposed
(+EC SRF update)**

REV	DATE	DESCRIPTION	DB	CB
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Akt. Rights to Light Surveyors Limited
Add: 26 Store Street, London WC1E 7BT
Tel: 0203 488 0516 Mob: 07840 848 570
www.rightstolightsurveyor-london.com

KEY

- | | |
|--------------------------------|---|
| Surrounding Buildings |  |
| Existing Stocktons Buildings |  |
| Proposed Stocktons Development |  |
| Neighbouring Consented Schemes |  |
| Emerging Context, SRF Massing |  |
| Emerging Context, CRP Phase 2 |  |
| Oxygen Towers - Mirror Massing |  |

SOURCES OF INFORMATION

- Existing Stocktons Building**
AccuCities digital 3D AutoCAD model.
- Proposed Stocktons Development**
3D model produced by Akt. Rights of Light Surveyors Ltd using Simpsonhaugh planning application drawings.
- Contextual 3D Model**
AccuCities digital 3D AutoCAD model.
- Oxygen Towers**
3D models by Akt. Rights of Light Surveyors Ltd using 5plus Architects planning consented drawings.
- Neighbouring Consented Buildings**
AccuCities digital 3D AutoCAD model.
- Emerging Context**
3D model produced by Akt. Rights of Light Surveyors Ltd using Simpsonhaugh DAS planning application drawings.

TITLE

EXISTING 3D MODEL -
WEST VIEW

PROJECT

Stocktons, Manchester

CLIENT

Urbanbubble Limited

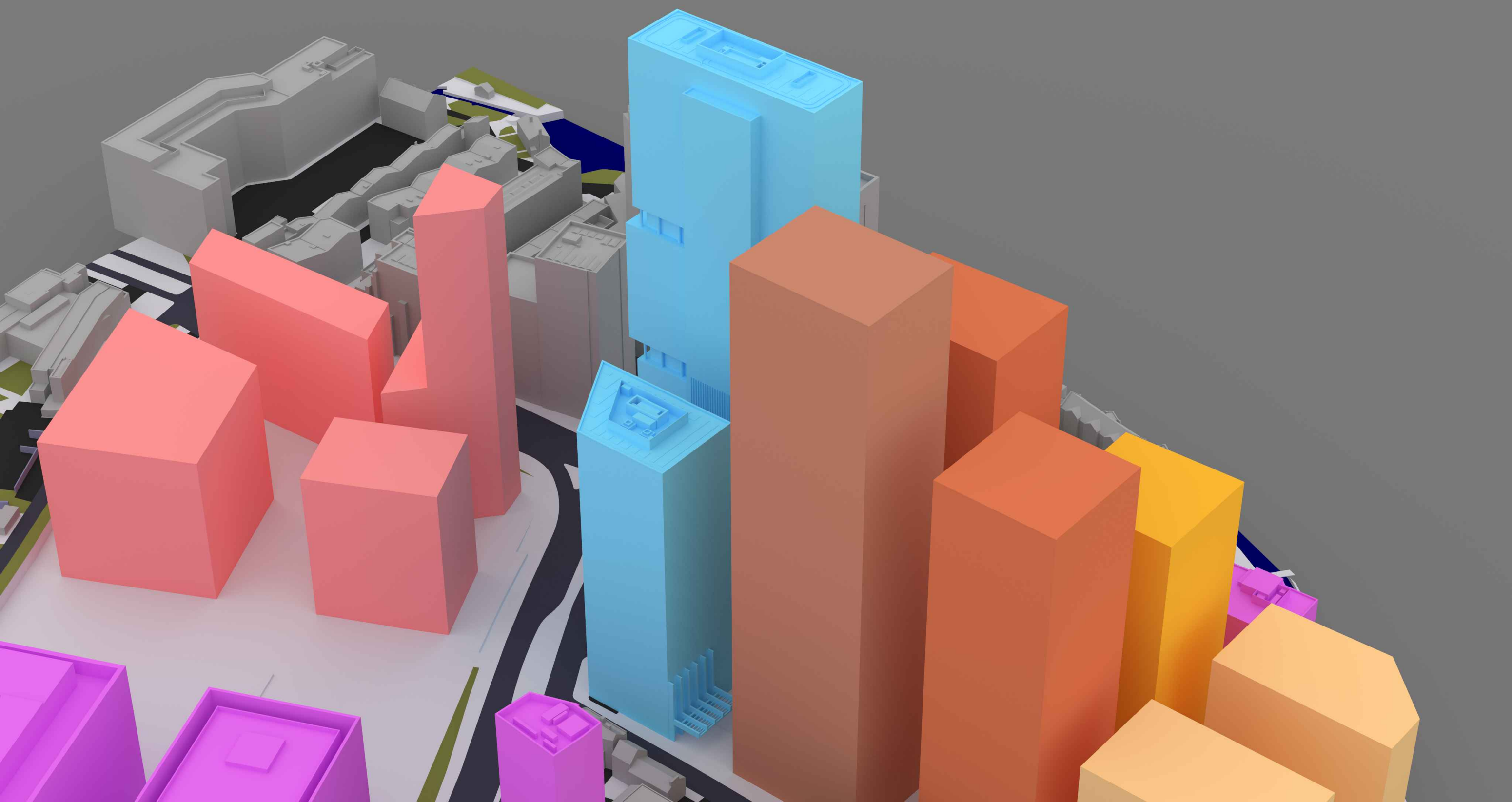
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SCALE @ A3 NTS	PROJECT NUMBER EKA251011
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DRAWING NUMBER DSO-3D05	REV H
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**Daylight Assessment -
Existing vs Proposed
(+EC SRF update)**

REV	DATE	DESCRIPTION	DB	CB
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Akt. Rights to Light Surveyors Limited
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KEY

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|--------------------------------|---|
| Surrounding Buildings |  |
| Existing Stocktons Buildings |  |
| Proposed Stocktons Development |  |
| Neighbouring Consented Schemes |  |
| Emerging Context, SRF Massing |  |
| Emerging Context, CRP Phase 2 |  |
| Oxygen Towers - Mirror Massing |  |

SOURCES OF INFORMATION

- Existing Stocktons Building**
AccuCities digital 3D AutoCAD model.
- Proposed Stocktons Development**
3D model produced by Akt. Rights of Light Surveyors Ltd using Simpsonhaugh planning application drawings.
- Contextual 3D Model**
AccuCities digital 3D AutoCAD model.
- Oxygen Towers**
3D models by Akt. Rights of Light Surveyors Ltd using 5plus Architects planning consented drawings.
- Neighbouring Consented Buildings**
AccuCities digital 3D AutoCAD model.
- Emerging Context**
3D model produced by Akt. Rights of Light Surveyors Ltd using Simpsonhaugh DAS planning application drawings.

TITLE PROPOSED 3D MODEL -
WEST VIEW

PROJECT
Stocktons, Manchester

CLIENT
Urbanbubble Limited

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SCALE @ A3 NTS		PROJECT NUMBER EKA251011
DRAWING NUMBER DSO-3D06		REV H



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Daylight Assessment -
Existing vs Proposed
(+EC SRF update)

REV	DATE	DESCRIPTION	DB	CB
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KEY

- Surrounding Buildings
- Existing Stocktons Buildings
- Proposed Stocktons Development
- Neighbouring Consented Schemes
- Emerging Context, SRF Massing
- Emerging Context, CRP Phase 2
- Oxygen Towers - Mirror Massing

SOURCES OF INFORMATION

- Existing Stocktons Building
AccuCities digital 3D AutoCAD model.
- Proposed Stocktons Development
3D model produced by Akt. Rights of Light Surveyors Ltd using Simpsonhaugh planning application drawings.
- Contextual 3D Model
AccuCities digital 3D AutoCAD model.
- Oxygen Towers
3D models by Akt. Rights of Light Surveyors Ltd using 5plus Architects planning consented drawings.
- Neighbouring Consented Buildings
AccuCities digital 3D AutoCAD model.
- Emerging Context
3D model produced by Akt. Rights of Light Surveyors Ltd using Simpsonhaugh DAS planning application drawings.

TITLE

EXISTING 3D MODEL -
NORTH VIEW

PROJECT

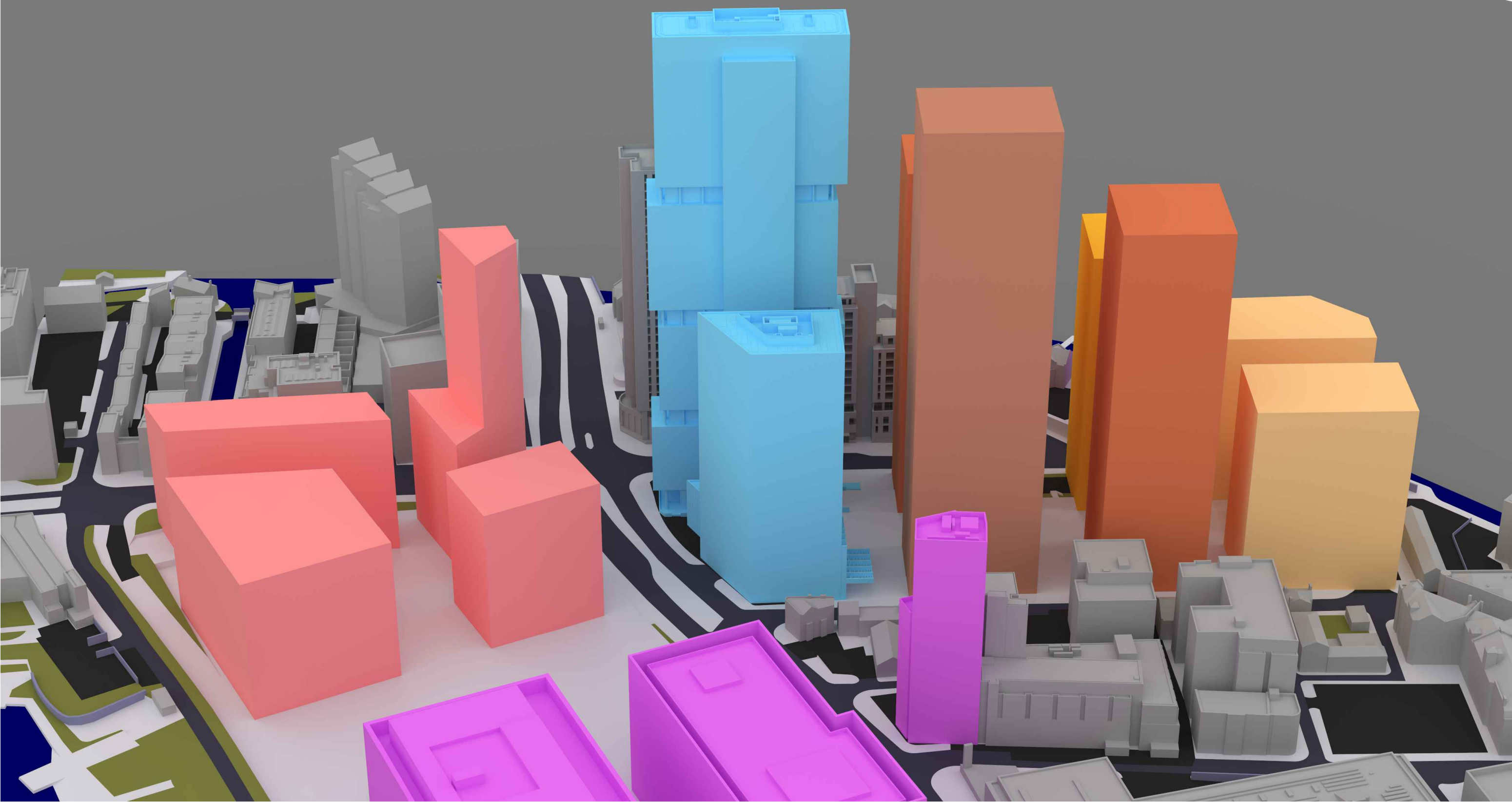
Stocktons, Manchester

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SCALE @ A3 NTS		PROJECT NUMBER EKA251011
DRAWING NUMBER DSO-3D07		REV H





Daylight Assessment -
Existing vs Proposed
(+EC SRF update)

REV	DATE	DESCRIPTION	DB	CB
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KEY

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|--------------------------------|---|
| Surrounding Buildings |  |
| Existing Stocktons Buildings |  |
| Proposed Stocktons Development |  |
| Neighbouring Consented Schemes |  |
| Emerging Context, SRF Massing |  |
| Emerging Context, CRP Phase 2 |  |
| Oxygen Towers - Mirror Massing |  |

SOURCES OF INFORMATION

- Existing Stocktons Building**
AccuCities digital 3D AutoCAD model.
- Proposed Stocktons Development**
3D model produced by Akt. Rights of Light Surveyors Ltd using Simpsonhaugh planning application drawings.
- Contextual 3D Model**
AccuCities digital 3D AutoCAD model.
- Oxygen Towers**
3D models by Akt. Rights of Light Surveyors Ltd using 5plus Architects planning consented drawings.
- Neighbouring Consented Buildings**
AccuCities digital 3D AutoCAD model.
- Emerging Context**
3D model produced by Akt. Rights of Light Surveyors Ltd using Simpsonhaugh DAS planning application drawings.

TITLE
PROPOSED 3D MODEL -
NORTH VIEW

PROJECT
Stocktons, Manchester

CLIENT
Urbanbubble Limited

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SCALE @ A3 NTS	PROJECT NUMBER EKA251011
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DRAWING NUMBER DSO-3D08	REV H
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**Daylight Assessment -
Existing vs Proposed
(+EC SRF update)**

REV	DATE	DESCRIPTION	DB	CB
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Akt. Rights to Light Surveyors Limited
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Tel: 0203 488 0516 Mob: 07840 848 570
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KEY

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|--------------------------------|---|
| Surrounding Buildings |  |
| Existing Stocktons Buildings |  |
| Proposed Stocktons Development |  |
| Neighbouring Consented Schemes |  |
| Emerging Context, SRF Massing |  |
| Emerging Context, CRP Phase 2 |  |
| Oxygen Towers - Mirror Massing |  |

SOURCES OF INFORMATION

- Existing Stocktons Building**
AccuCities digital 3D AutoCAD model.
- Proposed Stocktons Development**
3D model produced by Akt. Rights of Light Surveyors Ltd using Simpsonhaugh planning application drawings.
- Contextual 3D Model**
AccuCities digital 3D AutoCAD model.
- Oxygen Towers**
3D models by Akt. Rights of Light Surveyors Ltd using 5plus Architects planning consented drawings.
- Neighbouring Consented Buildings**
AccuCities digital 3D AutoCAD model.
- Emerging Context**
3D model produced by Akt. Rights of Light Surveyors Ltd using Simpsonhaugh DAS planning application drawings.

TITLE

EXISTING 3D MODEL -
EAST VIEW

PROJECT

Stocktons, Manchester

CLIENT

Urbanbubble Limited

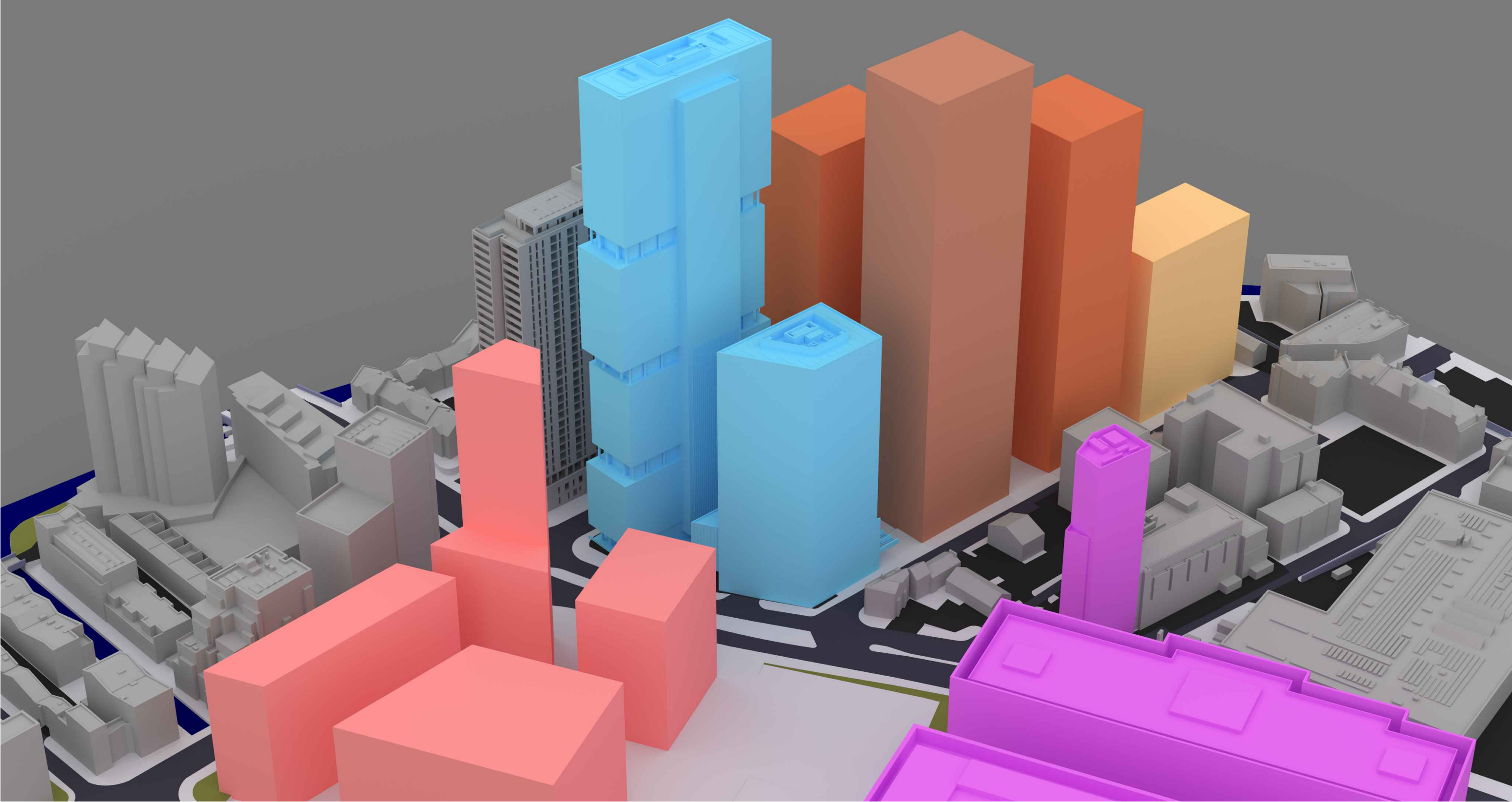
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SCALE @ A3 NTS	PROJECT NUMBER EKA251011
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Daylight Assessment -
Existing vs Proposed
(+EC SRF update)

REV	DATE	DESCRIPTION	DB	CB
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Akt. Rights to Light Surveyors Limited
Add: 26 Store Street, London WC1E 7BT
Tel: 0203 488 0516 Mob: 07840 848 570
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KEY

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|--------------------------------|---|
| Surrounding Buildings |  |
| Existing Stocktons Buildings |  |
| Proposed Stocktons Development |  |
| Neighbouring Consented Schemes |  |
| Emerging Context, SRF Massing |  |
| Emerging Context, CRP Phase 2 |  |
| Oxygen Towers - Mirror Massing |  |

SOURCES OF INFORMATION

- Existing Stocktons Building**
AccuCities digital 3D AutoCAD model.
- Proposed Stocktons Development**
3D model produced by Akt. Rights of Light Surveyors Ltd using Simpsonhaugh planning application drawings.
- Contextual 3D Model**
AccuCities digital 3D AutoCAD model.
- Oxygen Towers**
3D models by Akt. Rights of Light Surveyors Ltd using 5plus Architects planning consented drawings.
- Neighbouring Consented Buildings**
AccuCities digital 3D AutoCAD model.
- Emerging Context**
3D model produced by Akt. Rights of Light Surveyors Ltd using Simpsonhaugh DAS planning application drawings.

TITLE
PROPOSED 3D MODEL -
EAST VIEW

PROJECT
Stocktons, Manchester

CLIENT
Urbanbubble Limited

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SCALE @ A3 NTS	PROJECT NUMBER EKA251011
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DRAWING NUMBER DSO-3D10	REV H
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Project Name: Oxygen Towers, Store Street, Manchester M1 2FU
Project No.: EKA251101
Report Title: Daylight & Sunlight Analysis - Existing vs Proposed (Plus Emerging Context and East Village SRF Update)
Date of Analysis: 08/01/2026

Floor Ref.	Room Ref.	Room Attribute	Property Type	Room Use	Window Ref.	Window Attribute	VSC	Pr/Ex	Meets BRE Criteria	Window Orientation	Room VSC	Pr/Ex	Meets BRE Criteria
Oxygen Towers													
00 GF	R1		Residential	Lobby	W1	Existing	16.34	0.30	NO	56°N			
						Proposed	4.90						
00 GF	R1		Residential	Lobby	W2	Existing	31.35	0.06	NO	326°N			
						Proposed	1.78						
00 GF	R1		Residential	Lobby	W3	Existing	31.04	0.05	NO	326°N			
						Proposed	1.66						
00 GF	R1		Residential	Lobby	W4	Existing	30.66	0.05	NO	326°N			
						Proposed	1.58						
00 GF	R1		Residential	Lobby	W5	Existing	30.32	0.05	NO	326°N			
						Proposed	1.53						
00 GF	R1		Residential	Lobby	W6	Existing	29.97	0.05	NO	326°N			
						Proposed	1.51						
00 GF	R1		Residential	Lobby	W7	Existing	29.71	0.05	NO	326°N			
						Proposed	1.52						
00 GF	R1		Residential	Lobby	W8	Existing	29.50	0.05	NO	326°N			
						Proposed	1.51						
00 GF	R1		Residential	Lobby	W9	Existing	29.23	0.05	NO	326°N			
						Proposed	1.50						
00 GF	R1		Residential	Lobby	W10	Existing	29.01	0.05	NO	326°N			
						Proposed	1.48						
00 GF	R1		Residential	Lobby	W11	Existing	28.80	0.05	NO	326°N			
						Proposed	1.47						
00 GF	R1		Residential	Lobby	W12	Existing	28.59	0.06	NO	326°N			
						Proposed	1.72						
00 GF	R1		Residential	Lobby	W13	Existing	28.36	0.07	NO	326°N			
						Proposed	2.09						
00 GF	R1		Residential	Lobby	W14	Existing	28.09	0.09	NO	326°N			
						Proposed	2.55						
00 GF	R1		Residential	Lobby	W15	Existing	27.82	0.11	NO	326°N			
						Proposed	3.19						
00 GF	R1		Residential	Lobby	W16	Existing	27.52	0.14	NO	326°N			
						Proposed	3.79						
00 GF	R1		Residential	Lobby	W17	Existing	26.65	0.15	NO	326°N			
						Proposed	3.98						
00 GF	R1		Residential	Lobby	W18	Existing	22.15	0.18	NO	326°N			
						Proposed	4.02						
00 GF	R1		Residential	Lobby	W19	Existing	16.95	0.14	NO	326°N			
						Proposed	2.45						
00 GF	R1		Residential	Lobby	W20	Existing	18.41	0.17	NO	326°N			

Floor Ref.	Room Ref.	Room Attribute	Property Type	Room Use	Window Ref.	Window Attribute	VSC	Pr/Ex	Meets BRE Criteria	Window Orientation	Room VSC	Pr/Ex	Meets BRE Criteria
00 GF	R1		Residential	Lobby	W21	Existing Proposed	3.13 18.25	0.17	NO	326°N	25.38 2.37	0.09	NO
	R1		Residential	Lobby	W22	Existing Proposed	16.53 2.26	0.14	NO	326°N			
	R1		Residential	Lobby	W23	Existing Proposed	1.40 0.25	0.18	NO	326°N			
	R1		Residential	Lobby	W24	Existing Proposed	21.63 4.00	0.18	NO	326°N			
	R1		Residential	Lobby	W25	Existing Proposed	25.38 4.38	0.17	NO	326°N			
	R1		Residential	Lobby	W26	Existing Proposed	13.80 1.77	0.13	NO	236°			
	R2		Residential	Office	W27	Existing Proposed	16.49 0.00	0.00	NO	326°N			
	R2		Residential	Office	W28	Existing Proposed	19.24 0.00	0.00	NO	326°N			
	01st	R1		Residential	Bedroom	W1	Existing Proposed	30.64 5.56	0.18	NO			
01st	R2		Residential	Bedroom	W2	Existing Proposed	30.54 4.22	0.14	NO	326°N			

Project Name: Oxygen Towers, Store Street, Manchester M1 2FU
Project No.: EKA251101
Report Title: Daylight & Sunlight Analysis - Existing vs Proposed (Plus Emerging Context and East Village SRF Update)
Date of Analysis: 08/01/2026

Floor Ref.	Room Ref.	Room Attribute	Property Type	Room Use	Window Ref.	Window Attribute	VSC	Pr/Ex	Meets BRE Criteria	Window Orientation	Room VSC	Pr/Ex	Meets BRE Criteria
01st	R3		Residential	LKD	W3	Existing Proposed	32.49 3.94	0.12	NO	326°N			
01st	R3		Residential	LKD	W4	Existing Proposed	32.47 4.58	0.14	NO	326°N			
01st	R3		Residential	LKD	W5	Existing Proposed	31.67 3.28	0.10	NO	326°N			
01st	R4		Residential	Bedroom	W6	Existing Proposed	25.85 4.06	0.16	NO	326°N	32.25 3.99	0.12	NO
01st	R5		Residential	LKD	W7	Existing Proposed	28.02 4.40	0.16	NO	326°N			
01st	R5		Residential	LKD	W8	Existing Proposed	27.97 4.64	0.17	NO	326°N			
01st	R6		Residential	Bedroom	W9	Existing Proposed	25.79 2.47	0.10	NO	326°N	27.99 4.52	0.16	NO
01st	R7		Residential	LKD	W10	Existing Proposed	28.02 1.35	0.05	NO	326°N			
01st	R7		Residential	LKD	W11	Existing Proposed	28.00 1.31	0.05	NO	326°N			
01st	R8		Residential	Bedroom	W12	Existing Proposed	25.92 0.60	0.02	NO	326°N	28.01 1.33	0.05	NO
											25.92 0.60	0.02	NO

Floor Ref.	Room Ref.	Room Attribute	Property Type	Room Use	Window Ref.	Window Attribute	VSC	Pr/Ex	Meets BRE Criteria	Window Orientation	Room VSC	Pr/Ex	Meets BRE Criteria
01st	R9		Residential	LKD	W13	Existing Proposed	28.25 0.67	0.02	NO	326°N			
01st	R9		Residential	LKD	W14	Existing Proposed	28.28 0.65	0.02	NO	326°N	28.27 0.66	0.02	NO
01st	R10		Residential	Bedroom	W15	Existing Proposed	26.62 0.27	0.01	NO	326°N	26.62 0.27	0.01	NO
01st	R11		Residential	LKD	W16	Existing Proposed	29.20 0.60	0.02	NO	326°N			
01st	R11		Residential	LKD	W17	Existing Proposed	29.25 0.55	0.02	NO	326°N	29.23 0.58	0.02	NO
01st	R12		Residential	Bedroom	W18	Existing Proposed	29.50 0.68	0.02	NO	326°N			
01st	R12		Residential	Bedroom	W19	Existing Proposed	29.58 0.59	0.02	NO	326°N	29.54 0.64	0.02	NO
01st	R13		Residential	Bedroom	W20	Existing Proposed	27.68 0.43	0.02	NO	326°N	27.68 0.43	0.02	NO
02nd	R1		Residential	Bedroom	W1	Existing Proposed	31.33 6.00	0.19	NO	326°N	31.33 6.00	0.19	NO
02nd	R2		Residential	LKD	W2	Existing Proposed	33.47 5.38	0.16	NO	326°N			
02nd	R2		Residential	LKD	W3	Existing Proposed	33.45 5.96	0.18	NO	326°N	33.46 5.67	0.17	NO

Project Name: Oxygen Towers, Store Street, Manchester M1 2FU
Project No.: EKA251101
Report Title: Daylight & Sunlight Analysis - Existing vs Proposed (Plus Emerging Context and East Village SRF Update)
Date of Analysis: 08/01/2026

Floor Ref.	Room Ref.	Room Attribute	Property Type	Room Use	Window Ref.	Window Attribute	VSC	Pr/Ex	Meets BRE Criteria	Window Orientation	Room VSC	Pr/Ex	Meets BRE Criteria
02nd	R3		Residential	Bedroom	W4	Existing Proposed	31.25 3.85	0.12	NO	326°N	31.25 3.85	0.12	NO
02nd	R4		Residential	LKD	W5	Existing Proposed	33.36 3.57	0.11	NO	326°N			
02nd	R4		Residential	LKD	W6	Existing Proposed	33.35 4.20	0.13	NO	326°N	33.36 3.88	0.12	NO
02nd	R5		Residential	Bedroom	W7	Existing Proposed	31.07 1.98	0.06	NO	326°N	31.07 1.98	0.06	NO
02nd	R6		Residential	LKD	W8	Existing Proposed	33.17 1.86	0.06	NO	326°N			
02nd	R6		Residential	LKD	W9	Existing Proposed	33.17 2.58	0.08	NO	326°N	33.17 2.22	0.07	NO
02nd	R7		Residential	LKD	W10	Existing Proposed	33.02 1.23	0.04	NO	326°N			
02nd	R7		Residential	LKD	W11	Existing Proposed	32.99 2.03	0.06	NO	326°N	33.01 1.63	0.05	NO
02nd	R8		Residential	Bedroom	W12	Existing Proposed	30.70 0.65	0.02	NO	326°N	30.70 0.65	0.02	NO

Floor Ref.	Room Ref.	Room Attribute	Property Type	Room Use	Window Ref.	Window Attribute	VSC	Pr/Ex	Meets BRE Criteria	Window Orientation	Room VSC	Pr/Ex	Meets BRE Criteria
02nd	R9		Residential	LKD	W13	Existing Proposed	17.65 6.13	0.35	NO	56°N			
02nd	R9		Residential	LKD	W14	Existing Proposed	33.81 1.64	0.05	NO	326°N			
02nd	R9		Residential	LKD	W15	Existing Proposed	30.02 0.33	0.01	NO	326°N	28.31 2.69	0.10	NO
02nd	R10		Residential	Bedroom	W16	Existing Proposed	30.03 0.31	0.01	NO	326°N	30.03 0.31	0.01	NO
02nd	R11		Residential	Bedroom	W17	Existing Proposed	30.08 0.31	0.01	NO	326°N	30.08 0.31	0.01	NO
02nd	R12		Residential	Bedroom	W18	Existing Proposed	29.98 0.38	0.01	NO	326°N	29.98 0.38	0.01	NO
02nd	R13		Residential	LKD	W19	Existing Proposed	29.80 0.43	0.01	NO	326°N			
02nd	R13		Residential	LKD	W20	Existing Proposed	29.70 1.00	0.03	NO	326°N	29.75 0.71	0.02	NO
02nd	R14		Residential	Bedroom	W21	Existing Proposed	29.63 1.57	0.05	NO	326°N	29.63 1.57	0.05	NO
02nd	R15		Residential	Bedroom	W22	Existing Proposed	29.53 3.11	0.11	NO	326°N	29.53 3.11	0.11	NO

Project Name: Oxygen Towers, Store Street, Manchester M1 2FU
Project No.: EKA251101
Report Title: Daylight & Sunlight Analysis - Existing vs Proposed (Plus Emerging Context and East Village SRF Update)
Date of Analysis: 08/01/2026

Floor Ref.	Room Ref.	Room Attribute	Property Type	Room Use	Window Ref.	Window Attribute	VSC	Pr/Ex	Meets BRE Criteria	Window Orientation	Room VSC	Pr/Ex	Meets BRE Criteria
02nd	R16		Residential	Bedroom	W23	Existing Proposed	29.38 3.42	0.12	NO	326°N	29.38 3.42	0.12	NO
02nd	R17		Residential	LKD	W24	Existing Proposed	32.88 4.58	0.14	NO	326°N			
02nd	R17		Residential	LKD	W25	Existing Proposed	16.85 3.05	0.18	NO	236°	27.21 4.04	0.15	NO
02nd	R18		Residential	Bedroom	W26	Existing Proposed	29.33 4.21	0.14	NO	326°N	29.33 4.21	0.14	NO
02nd	R19		Residential	LKD	W27	Existing Proposed	31.58 4.57	0.14	NO	326°N			
02nd	R19		Residential	LKD	W28	Existing Proposed	31.55 4.81	0.15	NO	326°N	31.56 4.69	0.15	NO
02nd	R20		Residential	Bedroom	W29	Existing Proposed	29.33 2.59	0.09	NO	326°N	29.33 2.59	0.09	NO
02nd	R21		Residential	LKD	W30	Existing Proposed	31.63 1.48	0.05	NO	326°N			
02nd	R21		Residential	LKD	W31	Existing Proposed	31.64 1.42	0.04	NO	326°N	31.64 1.45	0.05	NO
02nd	R22		Residential	Bedroom	W32	Existing Proposed	29.55 0.67	0.02	NO	326°N	29.55 0.67	0.02	NO

Project Name: Oxygen Towers, Store Street, Manchester M1 2FU
Project No.: EKA251101
Report Title: Daylight & Sunlight Analysis - Existing vs Proposed (Plus Emerging Context and East Village SRF Update)
Date of Analysis: 08/01/2026

Floor Ref.	Room Ref.	Room Attribute	Property Type	Room Use	Window Ref.	Window Attribute	VSC	Pr/Ex	Meets BRE Criteria	Window Orientation	Room VSC	Pr/Ex	Meets BRE Criteria
02nd	R23		Residential	LKD	W33	Existing	31.86	0.02	NO	326°N	31.86 0.74	0.02	NO
02nd	R23		Residential	LKD	W34	Proposed	0.76	0.02	NO	326°N			
						Existing	31.85						
						Proposed	0.71						
02nd	R24		Residential	Bedroom	W35	Existing	29.72	0.01	NO	326°N			
						Proposed	0.31				29.72 0.31	0.01	NO
02nd	R25		Residential	LKD	W36	Existing	32.07	0.02	NO	326°N	32.07 0.65	0.02	NO
						Proposed	0.68						
02nd	R25		Residential	LKD	W37	Existing	32.06	0.02	NO	326°N			
						Proposed	0.62						
03rd	R1		Residential	LKD	W1	Existing	5.74	0.40	NO	56°N	13.69 4.52	0.33	NO
						Proposed	2.32						
03rd	R1		Residential	LKD	W2	Existing	5.97	0.46	NO	56°N			
						Proposed	2.73						
03rd	R1		Residential	LKD	W3	Existing	5.41	0.52	NO	56°N			
						Proposed	2.79						
03rd	R1		Residential	LKD	W4	Existing	4.35	0.76	NO	56°N			
						Proposed	3.32						
03rd	R1		Residential	LKD	W5	Existing	5.18	0.62	NO	56°N			
						Proposed	3.20						
03rd	R1		Residential	LKD	W6	Existing	0.33	1.00	YES	146°			
						Proposed	0.33						
03rd	R1		Residential	LKD	W7	Existing	29.32	0.27	NO	326°N			
						Proposed	7.91						
03rd	R1		Residential	LKD	W8	Existing	29.51	0.26	NO	326°N			
						Proposed	7.71						
03rd	R1		Residential	LKD	W9	Existing	24.36	0.30	NO	326°N			
						Proposed	7.26						

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03rd	R2		Residential	Bedroom	W10	Existing	23.51	0.18	NO	326°N			
03rd	R2		Residential	Bedroom	W11	Proposed	4.13	0.19	NO	326°N			
						Existing	29.53				27.35	0.18	NO
						Proposed	5.48				4.99		
03rd	R3		Residential	Bedroom	W12	Existing	29.66	0.17	NO	326°N			
03rd	R3		Residential	Bedroom	W13	Proposed	5.13	0.19	NO	326°N			
						Existing	24.45				27.77	0.18	NO
						Proposed	4.75				4.99		
03rd	R4		Residential	Bedroom	W14	Existing	23.42	0.06	NO	326°N			
03rd	R4		Residential	Bedroom	W15	Proposed	1.48	0.11	NO	326°N			
						Existing	29.44				27.26	0.10	NO
						Proposed	3.31				2.65		
03rd	R5		Residential	LKD	W16	Existing	29.59	0.11	NO	326°N			
03rd	R5		Residential	LKD	W17	Proposed	3.15	0.12	NO	326°N			
						Existing	24.38						
03rd	R5		Residential	LKD	W18	Proposed	2.94	0.00	NO	326°N			
						Existing	23.32						
03rd	R5		Residential	LKD	W19	Proposed	0.05	0.06	NO	326°N			
						Existing	29.31				27.42	0.08	NO
						Proposed	1.74				2.10		

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03rd	R6		Residential	LKD	W20	Existing Proposed	29.31 1.73	0.06	NO	326°N			
03rd	R6		Residential	LKD	W21	Existing Proposed	24.17 1.54	0.06	NO	326°N			
03rd	R6		Residential	LKD	W22	Existing Proposed	23.36 0.00	0.00	NO	326°N			
03rd	R6		Residential	LKD	W23	Existing Proposed	29.45 0.60	0.02	NO	326°N	27.35 1.02	0.04	NO
03rd	R7		Residential	Bedroom	W24	Existing Proposed	29.31 0.83	0.03	NO	326°N			
03rd	R7		Residential	Bedroom	W25	Existing Proposed	24.06 0.77	0.03	NO	326°N	27.41 0.81	0.03	NO
03rd	R8		Residential	Bedroom	W26	Existing Proposed	25.46 0.01	0.00	NO	326°N			
03rd	R8		Residential	Bedroom	W27	Existing Proposed	29.60 0.10	0.00	NO	326°N	27.75 0.06	0.00	NO
03rd	R9		Residential	LKD	W28	Existing Proposed	29.86 0.36	0.01	NO	326°N			
03rd	R9		Residential	LKD	W29	Existing Proposed	29.64 0.40	0.01	NO	326°N			
03rd	R9		Residential	LKD	W30	Existing Proposed	28.54 0.39	0.01	NO	326°N			
03rd	R9		Residential	LKD	W31	Existing Proposed	21.36 0.36	0.02	NO	326°N	28.46 0.38	0.01	NO
03rd	R10		Residential	LKD	W32	Existing Proposed	22.79 0.01	0.00	NO	326°N			
03rd	R10		Residential	LKD	W33	Existing Proposed	28.85 0.00	0.00	NO	326°N			
03rd	R10		Residential	LKD	W34	Existing Proposed	29.76 0.27	0.01	NO	326°N			
03rd	R10		Residential	LKD	W35	Existing Proposed	29.87 0.70	0.02	NO	326°N	28.64 0.28	0.01	NO

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03rd	R11		Residential	Bedroom	W36	Existing Proposed	28.77 1.27	0.04	NO	326°N			
03rd	R11		Residential	Bedroom	W37	Existing Proposed	22.29 1.80	0.08	NO	326°N	26.70 1.44	0.05	NO
03rd	R12		Residential	Bedroom	W38	Existing Proposed	23.77 2.14	0.09	NO	326°N			
03rd	R12		Residential	Bedroom	W39	Existing Proposed	29.05 2.50	0.09	NO	326°N	27.01 2.36	0.09	NO
03rd	R13		Residential	LKD	W40	Existing Proposed	29.71 3.09	0.10	NO	326°N			
03rd	R13		Residential	LKD	W41	Existing Proposed	29.71 3.31	0.11	NO	326°N			
03rd	R13		Residential	LKD	W42	Existing Proposed	29.01 3.51	0.12	NO	326°N			
03rd	R13		Residential	LKD	W43	Existing Proposed	23.17 3.52	0.15	NO	326°N	28.47 3.34	0.12	NO
03rd	R14		Residential	Bedroom	W44	Existing Proposed	23.73 3.72	0.16	NO	326°N			
03rd	R14		Residential	Bedroom	W45	Existing Proposed	29.11 3.82	0.13	NO	326°N	27.13 3.78	0.14	NO
03rd	R15		Residential	LKD	W46	Existing Proposed	29.16 4.05	0.14	NO	326°N			
03rd	R15		Residential	LKD	W47	Existing Proposed	23.54 3.74	0.16	NO	326°N	27.09 3.94	0.15	NO
03rd	R16		Residential	Bedroom	W48	Existing Proposed	23.86 2.68	0.11	NO	326°N			
03rd	R16		Residential	Bedroom	W49	Existing Proposed	29.16 1.87	0.06	NO	326°N	27.21 2.17	0.08	NO
03rd	R17		Residential	LKD	W50	Existing Proposed	29.05 0.94	0.03	NO	326°N			

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03rd	R17		Residential	LKD	W51	Existing Proposed	23.45 0.80	0.03	NO	326°N	26.99 0.89	0.03	NO
03rd	R18		Residential	Bedroom	W52	Existing Proposed	24.07 0.53	0.02	NO	326°N			
03rd	R18		Residential	Bedroom	W53	Existing Proposed	29.38 0.41	0.01	NO	326°N	27.42 0.45	0.02	NO
03rd	R19		Residential	Bedroom	W54	Existing Proposed	29.25 0.30	0.01	NO	326°N			
03rd	R19		Residential	Bedroom	W55	Existing Proposed	23.56 0.23	0.01	NO	326°N	27.15 0.27	0.01	NO
03rd	R20		Residential	LKD	W56	Existing Proposed	23.88 0.05	0.00	NO	326°N			
03rd	R20		Residential	LKD	W57	Existing Proposed	29.26 0.04	0.00	NO	326°N			
03rd	R20		Residential	LKD	W58	Existing Proposed	29.89 0.04	0.00	NO	326°N			
03rd	R20		Residential	LKD	W59	Existing Proposed	1.24 1.24	1.00	YES	146°			
03rd	R20		Residential	LKD	W60	Existing Proposed	12.70 1.58	0.12	NO	236°			
03rd	R20		Residential	LKD	W61	Existing Proposed	9.60 1.97	0.21	NO	236°			
03rd	R20		Residential	LKD	W62	Existing Proposed	6.62 2.06	0.31	NO	236°			
03rd	R20		Residential	LKD	W63	Existing Proposed	5.50 2.40	0.44	NO	236°			
03rd	R20		Residential	LKD	W64	Existing Proposed	5.88 3.29	0.56	NO	236°	14.20 1.57	0.11	NO
04th	R1		Residential	LKD	W1	Existing Proposed	9.35 5.23	0.56	NO	56°N			
04th	R1		Residential	LKD	W2	Existing Proposed	10.26 6.14	0.60	NO	56°N			
04th	R1		Residential	LKD	W3	Existing Proposed	8.42 6.34	0.75	NO	56°N			

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04th	R1		Residential	LKD	W4	Existing Proposed	36.45 12.53	0.34	NO	326°N	12.49 6.67	0.53	NO
04th	R2		Residential	Bedroom	W5	Existing Proposed	36.43 11.31	0.31	NO	326°N	36.43 11.31	0.31	NO
04th	R3		Residential	Bedroom	W6	Existing Proposed	36.39 9.98	0.27	NO	326°N	36.39 9.98	0.27	NO
04th	R4		Residential	LKD	W7	Existing Proposed	36.48 8.57	0.23	NO	326°N			
04th	R4		Residential	LKD	W8	Existing Proposed	36.53 8.12	0.22	NO	326°N	36.51 8.27	0.23	NO
04th	R5		Residential	Bedroom	W9	Existing Proposed	36.33 7.17	0.20	NO	326°N	36.33 7.17	0.20	NO
04th	R6		Residential	LKD	W10	Existing Proposed	36.41 6.08	0.17	NO	326°N			
04th	R6		Residential	LKD	W11	Existing Proposed	36.48 5.79	0.16	NO	326°N	36.46 5.89	0.16	NO
04th	R7		Residential	Bedroom	W12	Existing Proposed	36.27 5.03	0.14	NO	326°N	36.27 5.03	0.14	NO
04th	R8		Residential	Bedroom	W13	Existing Proposed	36.22 3.83	0.11	NO	326°N	36.22 3.83	0.11	NO
04th	R9		Residential	LKD	W14	Existing Proposed	36.30 3.58	0.10	NO	326°N			
04th	R9		Residential	LKD	W15	Existing Proposed	36.38 3.48	0.10	NO	326°N	36.35 3.51	0.10	NO

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04th	R10		Residential	Bedroom	W16	Existing Proposed	36.13 2.93	0.08	NO	326°N			
04th	R10		Residential	Bedroom	W17	Existing Proposed	14.93 1.85	0.12	NO	236°	28.89 2.56	0.09	NO
04th	R11		Residential	LKD	W18	Existing Proposed	16.22 5.50	0.34	NO	56°N			
04th	R11		Residential	LKD	W19	Existing Proposed	36.06 2.45	0.07	NO	326°N			
04th	R11		Residential	LKD	W20	Existing Proposed	36.16 2.54	0.07	NO	326°N	33.15 2.96	0.09	NO
04th	R12		Residential	Bedroom	W21	Existing Proposed	35.91 2.29	0.06	NO	326°N	35.91 2.29	0.06	NO
04th	R13		Residential	Bedroom	W22	Existing Proposed	35.86 2.22	0.06	NO	326°N	35.86 2.22	0.06	NO
04th	R14		Residential	Bedroom	W23	Existing Proposed	35.83 2.20	0.06	NO	326°N	35.83 2.20	0.06	NO
04th	R15		Residential	LKD	W24	Existing Proposed	35.90 2.37	0.07	NO	326°N			
04th	R15		Residential	LKD	W25	Existing Proposed	36.01 2.72	0.08	NO	326°N	35.97 2.60	0.07	NO
04th	R16		Residential	Bedroom	W26	Existing Proposed	35.79 2.92	0.08	NO	326°N	35.79 2.92	0.08	NO
04th	R17		Residential	Bedroom	W27	Existing Proposed	35.76 4.73	0.13	NO	326°N	35.76 4.73	0.13	NO
04th	R18		Residential	Bedroom	W28	Existing Proposed	35.74 5.18	0.14	NO	326°N			

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											35.74 5.18	0.14	NO
04th	R19		Residential	LKD	W29	Existing Proposed	35.86 5.46	0.15	NO	326°N			
04th	R19		Residential	LKD	W30	Existing Proposed	35.99 5.71	0.16	NO	326°N			
04th	R19		Residential	LKD	W31	Existing Proposed	15.09 2.33	0.15	NO	236°			
											32.83 5.13	0.16	NO
04th	R20		Residential	Bedroom	W32	Existing Proposed	16.05 3.41	0.21	NO	56°N			
04th	R20		Residential	Bedroom	W33	Existing Proposed	35.80 5.94	0.17	NO	326°N			
											29.06 5.08	0.17	NO
04th	R21		Residential	LKD	W34	Existing Proposed	35.92 6.11	0.17	NO	326°N			
04th	R21		Residential	LKD	W35	Existing Proposed	36.08 6.07	0.17	NO	326°N			
											36.03 6.08	0.17	NO
04th	R22		Residential	Bedroom	W36	Existing Proposed	35.85 4.54	0.13	NO	326°N			
04th	R22		Residential	Bedroom	W37	Existing Proposed	35.87 3.51	0.10	NO	326°N			
											35.86 4.03	0.11	NO
04th	R23		Residential	Bedroom	W38	Existing Proposed	35.91 2.44	0.07	NO	326°N			
											35.91 2.44	0.07	NO
04th	R24		Residential	LKD	W39	Existing Proposed	36.03 2.36	0.07	NO	326°N			
04th	R24		Residential	LKD	W40	Existing Proposed	36.18 2.31	0.06	NO	326°N			
											36.13 2.33	0.06	NO
04th	R25		Residential	Bedroom	W41	Existing Proposed	35.97 1.89	0.05	NO	326°N			
04th	R25		Residential	Bedroom	W42	Existing Proposed	35.97 1.72	0.05	NO	326°N			

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04th	R26		Residential	Bedroom	W43	Existing Proposed	36.01 1.66	0.05	NO	326°N	35.97 1.81	0.05	NO
04th	R27		Residential	Bedroom	W44	Existing Proposed	36.03 1.72	0.05	NO	326°N	36.01 1.66	0.05	NO
04th	R28		Residential	LKD	W45	Existing Proposed	14.52 10.02	0.69	NO	236°	36.03 1.72	0.05	NO
04th	R28		Residential	LKD	W46	Existing Proposed	16.54 9.96	0.60	NO	236°			
04th	R28		Residential	LKD	W47	Existing Proposed	13.50 7.04	0.52	NO	236°			
											14.92 9.04	0.61	NO
05th	R1		Residential	LKD	W1	Existing Proposed	9.58 5.62	0.59	NO	56°N			
05th	R1		Residential	LKD	W2	Existing Proposed	10.61 6.65	0.63	NO	56°N			
05th	R1		Residential	LKD	W3	Existing Proposed	8.83 6.88	0.78	NO	56°N			
05th	R1		Residential	LKD	W4	Existing Proposed	36.75 13.05	0.36	NO	326°N			
											12.82 7.16	0.56	NO
05th	R2		Residential	Bedroom	W5	Existing Proposed	36.73 11.87	0.32	NO	326°N			
											36.73 11.87	0.32	NO
05th	R3		Residential	Bedroom	W6	Existing Proposed	36.70 10.52	0.29	NO	326°N			
											36.70 10.52	0.29	NO
05th	R4		Residential	LKD	W7	Existing Proposed	36.78 9.05	0.25	NO	326°N			
05th	R4		Residential	LKD	W8	Existing Proposed	36.85 8.58	0.23	NO	326°N			
											36.83 8.74	0.24	NO

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05th	R5		Residential	Bedroom	W9	Existing Proposed	36.64 7.57	0.21	NO	326°N	36.64 7.57	0.21	NO
05th	R6		Residential	LKD	W10	Existing Proposed	36.72 6.41	0.17	NO	326°N			
05th	R6		Residential	LKD	W11	Existing Proposed	36.79 6.10	0.17	NO	326°N			
											36.77 6.21	0.17	NO
05th	R7		Residential	Bedroom	W12	Existing Proposed	36.59 5.30	0.14	NO	326°N			
											36.59 5.30	0.14	NO
05th	R8		Residential	Bedroom	W13	Existing Proposed	36.54 4.03	0.11	NO	326°N			
											36.54 4.03	0.11	NO
05th	R9		Residential	LKD	W14	Existing Proposed	36.61 3.77	0.10	NO	326°N			
05th	R9		Residential	LKD	W15	Existing Proposed	36.70 3.65	0.10	NO	326°N			
											36.67 3.69	0.10	NO
05th	R10		Residential	Bedroom	W16	Existing Proposed	36.45 3.06	0.08	NO	326°N			
05th	R10		Residential	Bedroom	W17	Existing Proposed	15.05 1.95	0.13	NO	236°			
											29.14 2.68	0.09	NO
05th	R11		Residential	LKD	W18	Existing Proposed	16.27 5.62	0.35	NO	56°N			
05th	R11		Residential	LKD	W19	Existing Proposed	36.40 2.54	0.07	NO	326°N			
05th	R11		Residential	LKD	W20	Existing Proposed	36.50 2.63	0.07	NO	326°N			
											33.45 3.05	0.09	NO
05th	R12		Residential	Bedroom	W21	Existing Proposed	36.26 2.38	0.07	NO	326°N			
											36.26 2.38	0.07	NO

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05th	R13		Residential	Bedroom	W22	Existing Proposed	36.22 2.31	0.06	NO	326°N	36.22 2.31	0.06	NO
05th	R14		Residential	Bedroom	W23	Existing Proposed	36.19 2.29	0.06	NO	326°N	36.19 2.29	0.06	NO
05th	R15		Residential	LKD	W24	Existing Proposed	36.27 2.46	0.07	NO	326°N			
05th	R15		Residential	LKD	W25	Existing Proposed	36.38 2.77	0.08	NO	326°N	36.34 2.66	0.07	NO
05th	R16		Residential	Bedroom	W26	Existing Proposed	36.16 2.92	0.08	NO	326°N	36.16 2.92	0.08	NO
05th	R17		Residential	Bedroom	W27	Existing Proposed	36.13 4.81	0.13	NO	326°N	36.13 4.81	0.13	NO
05th	R18		Residential	Bedroom	W28	Existing Proposed	36.12 5.31	0.15	NO	326°N	36.12 5.31	0.15	NO
05th	R19		Residential	LKD	W29	Existing Proposed	36.23 5.61	0.15	NO	326°N			
05th	R19		Residential	LKD	W30	Existing Proposed	36.37 5.87	0.16	NO	326°N			
05th	R19		Residential	LKD	W31	Existing Proposed	15.29 2.54	0.17	NO	236°	33.18 5.30	0.16	NO
05th	R20		Residential	Bedroom	W32	Existing Proposed	16.12 3.48	0.22	NO	56°N			
05th	R20		Residential	Bedroom	W33	Existing Proposed	36.17 6.12	0.17	NO	326°N	29.33 5.22	0.18	NO
05th	R21		Residential	LKD	W34	Existing Proposed	36.29 6.30	0.17	NO	326°N			

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05th	R21		Residential	LKD	W35	Existing Proposed	36.45 6.25	0.17	NO	326°N	36.40 6.27	0.17	NO
05th	R22		Residential	Bedroom	W36	Existing Proposed	36.22 4.71	0.13	NO	326°N			
05th	R22		Residential	Bedroom	W37	Existing Proposed	36.24 3.67	0.10	NO	326°N	36.23 4.19	0.12	NO
05th	R23		Residential	Bedroom	W38	Existing Proposed	36.28 2.57	0.07	NO	326°N	36.28 2.57	0.07	NO
05th	R24		Residential	LKD	W39	Existing Proposed	36.40 2.48	0.07	NO	326°N			
05th	R24		Residential	LKD	W40	Existing Proposed	36.55 2.42	0.07	NO	326°N	36.50 2.44	0.07	NO
05th	R25		Residential	Bedroom	W41	Existing Proposed	36.33 1.98	0.05	NO	326°N			
05th	R25		Residential	Bedroom	W42	Existing Proposed	36.33 1.81	0.05	NO	326°N	36.33 1.90	0.05	NO
05th	R26		Residential	Bedroom	W43	Existing Proposed	36.38 1.75	0.05	NO	326°N	36.38 1.75	0.05	NO
05th	R27		Residential	Bedroom	W44	Existing Proposed	36.40 1.81	0.05	NO	326°N	36.40 1.81	0.05	NO
05th	R28		Residential	LKD	W45	Existing Proposed	15.27 10.79	0.71	NO	236°			
05th	R28		Residential	LKD	W46	Existing Proposed	17.34 10.76	0.62	NO	236°			
05th	R28		Residential	LKD	W47	Existing Proposed	14.33 7.87	0.55	NO	236°	15.71 9.84	0.63	NO

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06th	R1		Residential	LKD	W1	Existing Proposed	9.93 6.15	0.62	NO	56°N			
06th	R1		Residential	LKD	W2	Existing Proposed	11.07 7.29	0.66	NO	56°N			
06th	R1		Residential	LKD	W3	Existing Proposed	9.34 7.54	0.81	YES	56°N			
06th	R1		Residential	LKD	W4	Existing Proposed	37.03 13.59	0.37	NO	326°N	13.24 7.76	0.59	NO
06th	R2		Residential	Bedroom	W5	Existing Proposed	37.01 12.46	0.34	NO	326°N	37.01 12.46	0.34	NO
06th	R3		Residential	Bedroom	W6	Existing Proposed	36.98 11.11	0.30	NO	326°N	36.98 11.11	0.30	NO
06th	R4		Residential	LKD	W7	Existing Proposed	37.06 9.56	0.26	NO	326°N			
06th	R4		Residential	LKD	W8	Existing Proposed	37.13 9.07	0.24	NO	326°N	37.11 9.24	0.25	NO
06th	R5		Residential	Bedroom	W9	Existing Proposed	36.93 7.99	0.22	NO	326°N	36.93 7.99	0.22	NO
06th	R6		Residential	LKD	W10	Existing Proposed	37.00 6.76	0.18	NO	326°N			
06th	R6		Residential	LKD	W11	Existing Proposed	37.09 6.42	0.17	NO	326°N	37.06 6.54	0.18	NO
06th	R7		Residential	Bedroom	W12	Existing Proposed	36.88 5.58	0.15	NO	326°N	36.88 5.58	0.15	NO
06th	R8		Residential	Bedroom	W13	Existing Proposed	36.83 4.23	0.11	NO	326°N	36.83 4.23	0.11	NO

Floor Ref.	Room Ref.	Room Attribute	Property Type	Room Use	Window Ref.	Window Attribute	VSC	Pr/Ex	Meets BRE Criteria	Window Orientation	Room VSC	Pr/Ex	Meets BRE Criteria
06th	R9		Residential	LKD	W14	Existing Proposed	36.91 3.96	0.11	NO	326°N	36.97 3.87	0.10	NO
06th	R9		Residential	LKD	W15	Existing Proposed	37.00 3.83	0.10	NO	326°N			
06th	R10		Residential	Bedroom	W16	Existing Proposed	36.75 3.19	0.09	NO	326°N	29.37 2.80	0.10	NO
06th	R10		Residential	Bedroom	W17	Existing Proposed	15.14 2.05	0.14	NO	236°			
06th	R11		Residential	LKD	W18	Existing Proposed	16.30 5.74	0.35	NO	56°N	33.73 3.15	0.09	NO
06th	R11		Residential	LKD	W19	Existing Proposed	36.72 2.64	0.07	NO	326°N			
06th	R11		Residential	LKD	W20	Existing Proposed	36.82 2.73	0.07	NO	326°N	36.58 2.47	0.07	NO
06th	R12		Residential	Bedroom	W21	Existing Proposed	36.58 2.47	0.07	NO	326°N			
06th	R13		Residential	Bedroom	W22	Existing Proposed	36.54 2.39	0.07	NO	326°N	36.54 2.39	0.07	NO
06th	R14		Residential	Bedroom	W23	Existing Proposed	36.52 2.38	0.07	NO	326°N			
06th	R15		Residential	LKD	W24	Existing Proposed	36.60 2.56	0.07	NO	326°N	36.68 2.73	0.07	NO
06th	R15		Residential	LKD	W25	Existing Proposed	36.72 2.82	0.08	NO	326°N			
06th	R16		Residential	Bedroom	W26	Existing Proposed	36.50 2.92	0.08	NO	326°N	36.50 2.92	0.08	NO

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06th	R17		Residential	Bedroom	W27	Existing Proposed	36.49 4.90	0.13	NO	326°N	36.49 4.90	0.13	NO
06th	R18		Residential	Bedroom	W28	Existing Proposed	36.47 5.45	0.15	NO	326°N	36.47 5.45	0.15	NO
06th	R19		Residential	LKD	W29	Existing Proposed	36.59 5.77	0.16	NO	326°N			
06th	R19		Residential	LKD	W30	Existing Proposed	36.72 6.03	0.16	NO	326°N			
06th	R19		Residential	LKD	W31	Existing Proposed	15.57 2.85	0.18	NO	236°	33.52 5.48	0.16	NO
06th	R20		Residential	Bedroom	W32	Existing Proposed	16.17 3.55	0.22	NO	56°N			
06th	R20		Residential	Bedroom	W33	Existing Proposed	36.53 6.32	0.17	NO	326°N	29.58 5.37	0.18	NO
06th	R21		Residential	LKD	W34	Existing Proposed	36.64 6.50	0.18	NO	326°N			
06th	R21		Residential	LKD	W35	Existing Proposed	36.80 6.45	0.18	NO	326°N	36.75 6.47	0.18	NO
06th	R22		Residential	Bedroom	W36	Existing Proposed	36.57 4.90	0.13	NO	326°N			
06th	R22		Residential	Bedroom	W37	Existing Proposed	36.59 3.84	0.10	NO	326°N	36.58 4.37	0.12	NO
06th	R23		Residential	Bedroom	W38	Existing Proposed	36.62 2.72	0.07	NO	326°N	36.62 2.72	0.07	NO
06th	R24		Residential	LKD	W39	Existing Proposed	36.74 2.61	0.07	NO	326°N			
06th	R24		Residential	LKD	W40	Existing Proposed	36.90 2.54	0.07	NO	326°N			

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06th	R25		Residential	Bedroom	W41	Existing Proposed	36.68 2.10	0.06	NO	326°N	36.85 2.56	0.07	NO
06th	R25		Residential	Bedroom	W42	Existing Proposed	36.68 1.92	0.05	NO	326°N			
06th	R26		Residential	Bedroom	W43	Existing Proposed	36.72 1.84	0.05	NO	326°N	36.68 2.01	0.05	NO
06th	R27		Residential	Bedroom	W44	Existing Proposed	36.74 1.91	0.05	NO	326°N	36.72 1.84	0.05	NO
06th	R28		Residential	LKD	W45	Existing Proposed	15.90 11.44	0.72	NO	236°			
06th	R28		Residential	LKD	W46	Existing Proposed	17.99 11.44	0.64	NO	236°			
06th	R28		Residential	LKD	W47	Existing Proposed	15.00 8.56	0.57	NO	236°	36.74 1.91	0.05	NO
											16.36 10.52	0.64	NO
07th	R1		Residential	LKD	W1	Existing Proposed	10.50 6.92	0.66	NO	56°N			
07th	R1		Residential	LKD	W2	Existing Proposed	11.74 8.16	0.70	NO	56°N			
07th	R1		Residential	LKD	W3	Existing Proposed	10.07 8.42	0.84	YES	56°N			
07th	R1		Residential	LKD	W4	Existing Proposed	37.29 14.15	0.38	NO	326°N			
07th	R2		Residential	Bedroom	W5	Existing Proposed	37.27 13.08	0.35	NO	326°N	13.85 8.57	0.62	NO
07th	R3		Residential	Bedroom	W6	Existing Proposed	37.24 11.72	0.31	NO	326°N	37.27 13.08	0.35	NO
											37.24 11.72	0.31	NO

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07th	R4		Residential	LKD	W7	Existing	37.32	0.27	NO	326°N			
07th	R4		Residential	LKD	W8	Proposed	10.09	0.26	NO	326°N			
						Existing	37.40				37.37	0.26	NO
						Proposed	9.57				9.75		
07th	R5		Residential	Bedroom	W9	Existing	37.19	0.23	NO	326°N			
						Proposed	8.42				37.19	0.23	NO
											8.42		
07th	R6		Residential	LKD	W10	Existing	37.26	0.19	NO	326°N			
07th	R6		Residential	LKD	W11	Proposed	7.11	0.18	NO	326°N			
						Existing	37.35						
						Proposed	6.74				37.32	0.18	NO
											6.87		
07th	R7		Residential	Bedroom	W12	Existing	37.14	0.16	NO	326°N			
						Proposed	5.85				37.14	0.16	NO
											5.85		
07th	R8		Residential	Bedroom	W13	Existing	37.10	0.12	NO	326°N			
						Proposed	4.44				37.10	0.12	NO
											4.44		
07th	R9		Residential	LKD	W14	Existing	37.18	0.11	NO	326°N			
07th	R9		Residential	LKD	W15	Proposed	4.15	0.11	NO	326°N			
						Existing	37.28						
						Proposed	4.02				37.25	0.11	NO
											4.06		
07th	R10		Residential	Bedroom	W16	Existing	37.03	0.09	NO	326°N			
07th	R10		Residential	Bedroom	W17	Proposed	3.33	0.14	NO	236°			
						Existing	15.22				29.58	0.10	NO
						Proposed	2.17				2.93		
07th	R11		Residential	LKD	W18	Existing	16.32	0.36	NO	56°N			
						Proposed	5.85						
07th	R11		Residential	LKD	W19	Existing	37.01	0.07	NO	326°N			
						Proposed	2.73						
07th	R11		Residential	LKD	W20	Existing	37.12	0.08	NO	326°N			
						Proposed	2.83						

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07th	R12		Residential	Bedroom	W21	Existing Proposed	36.88 2.56	0.07	NO	326°N	33.98 3.25	0.10	NO
07th	R13		Residential	Bedroom	W22	Existing Proposed	36.85 2.48	0.07	NO	326°N	36.88 2.56	0.07	NO
07th	R14		Residential	Bedroom	W23	Existing Proposed	36.82 2.48	0.07	NO	326°N	36.85 2.48	0.07	NO
07th	R15		Residential	LKD	W24	Existing Proposed	36.91 2.69	0.07	NO	326°N	36.82 2.48	0.07	NO
07th	R15		Residential	LKD	W25	Existing Proposed	37.03 2.90	0.08	NO	326°N	36.99 2.83	0.08	NO
07th	R16		Residential	Bedroom	W26	Existing Proposed	36.81 2.93	0.08	NO	326°N	36.81 2.93	0.08	NO
07th	R17		Residential	Bedroom	W27	Existing Proposed	36.80 4.99	0.14	NO	326°N	36.80 4.99	0.14	NO
07th	R18		Residential	Bedroom	W28	Existing Proposed	36.79 5.59	0.15	NO	326°N	36.79 5.59	0.15	NO
07th	R19		Residential	LKD	W29	Existing Proposed	36.90 5.94	0.16	NO	326°N			
07th	R19		Residential	LKD	W30	Existing Proposed	37.04 6.20	0.17	NO	326°N			
07th	R19		Residential	LKD	W31	Existing Proposed	16.07 3.41	0.21	NO	236°			
07th	R20		Residential	Bedroom	W32	Existing Proposed	16.23 3.63	0.22	NO	56°N	33.87 5.71	0.17	NO

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07th	R20		Residential	Bedroom	W33	Existing Proposed	36.84 6.52	0.18	NO	326°N	29.80 5.53	0.19	NO
07th	R21		Residential	LKD	W34	Existing Proposed	36.96 6.71	0.18	NO	326°N			
07th	R21		Residential	LKD	W35	Existing Proposed	37.11 6.66	0.18	NO	326°N	37.06 6.68	0.18	NO
07th	R22		Residential	Bedroom	W36	Existing Proposed	36.88 5.10	0.14	NO	326°N			
07th	R22		Residential	Bedroom	W37	Existing Proposed	36.90 4.03	0.11	NO	326°N	36.89 4.57	0.12	NO
07th	R23		Residential	Bedroom	W38	Existing Proposed	36.94 2.88	0.08	NO	326°N	36.94 2.88	0.08	NO
07th	R24		Residential	LKD	W39	Existing Proposed	37.05 2.76	0.07	NO	326°N			
07th	R24		Residential	LKD	W40	Existing Proposed	37.21 2.68	0.07	NO	326°N	37.16 2.71	0.07	NO
07th	R25		Residential	Bedroom	W41	Existing Proposed	36.99 2.22	0.06	NO	326°N			
07th	R25		Residential	Bedroom	W42	Existing Proposed	36.99 2.04	0.06	NO	326°N	36.99 2.13	0.06	NO
07th	R26		Residential	Bedroom	W43	Existing Proposed	37.03 1.96	0.05	NO	326°N	37.03 1.96	0.05	NO
07th	R27		Residential	Bedroom	W44	Existing Proposed	37.05 2.04	0.06	NO	326°N	37.05 2.04	0.06	NO
07th	R28		Residential	LKD	W45	Existing Proposed	16.44 12.02	0.73	NO	236°			

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07th	R28		Residential	LKD	W46	Existing	18.53	0.65	NO	236°			
07th	R28		Residential	LKD	W47	Proposed	12.03	0.59	NO	236°			
						Existing	15.56				16.91	0.66	NO
						Proposed	9.15				11.10		
08th	R1		Residential	LKD	W1	Existing	11.10	0.70	NO	56°N			
08th	R1		Residential	LKD	W2	Proposed	7.73	0.73	NO	56°N			
08th	R1		Residential	LKD	W3	Existing	12.45	0.86	YES	56°N			
08th	R1		Residential	LKD	W4	Proposed	9.06	0.39	NO	326°N			
						Existing	10.83				14.49	0.65	NO
						Proposed	9.33				9.41		
08th	R2		Residential	Bedroom	W5	Existing	37.52	0.37	NO	326°N			
						Proposed	13.72				37.52	0.37	NO
08th	R3		Residential	Bedroom	W6	Existing	37.49	0.33	NO	326°N			
						Proposed	12.36				13.72		
08th	R4		Residential	LKD	W7	Existing	37.49	0.33	NO	326°N			
08th	R4		Residential	LKD	W8	Proposed	10.55	0.27	NO	326°N			
						Existing	37.65				37.49	0.33	NO
						Proposed	9.98				12.36		
08th	R5		Residential	Bedroom	W9	Existing	37.62	0.23	NO	326°N			
						Proposed	8.72				10.17		
08th	R6		Residential	LKD	W10	Existing	37.44	0.23	NO	326°N			
08th	R6		Residential	LKD	W11	Proposed	7.29	0.19	NO	326°N			
						Existing	37.51	0.18	NO	326°N			
						Proposed	6.90				37.44	0.23	NO
08th	R7		Residential	Bedroom	W12	Existing	37.61	0.16	NO	326°N			
						Proposed	5.98				7.03	0.19	NO
						Existing	37.39						

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08th	R8		Residential	Bedroom	W13	Existing Proposed	37.35 4.58	0.12	NO	326°N	37.39 5.98	0.16	NO
08th	R9		Residential	LKD	W14	Existing Proposed	37.43 4.30	0.11	NO	326°N	37.35 4.58	0.12	NO
08th	R9		Residential	LKD	W15	Existing Proposed	37.54 4.16	0.11	NO	326°N			
08th	R10		Residential	Bedroom	W16	Existing Proposed	37.28 3.44	0.09	NO	326°N	37.50 4.21	0.11	NO
08th	R10		Residential	Bedroom	W17	Existing Proposed	15.28 2.30	0.15	NO	236°			
08th	R11		Residential	LKD	W18	Existing Proposed	16.34 5.96	0.36	NO	56°N	29.77 3.05	0.10	NO
08th	R11		Residential	LKD	W19	Existing Proposed	37.27 2.83	0.08	NO	326°N			
08th	R11		Residential	LKD	W20	Existing Proposed	37.39 2.93	0.08	NO	326°N			
08th	R12		Residential	Bedroom	W21	Existing Proposed	37.15 2.66	0.07	NO	326°N	34.21 3.35	0.10	NO
08th	R13		Residential	Bedroom	W22	Existing Proposed	37.12 2.58	0.07	NO	326°N	37.15 2.66	0.07	NO
08th	R14		Residential	Bedroom	W23	Existing Proposed	37.10 2.59	0.07	NO	326°N	37.12 2.58	0.07	NO
08th	R15		Residential	LKD	W24	Existing Proposed	37.20 2.78	0.07	NO	326°N	37.10 2.59	0.07	NO
08th	R15		Residential	LKD	W25	Existing Proposed	37.32 2.96	0.08	NO	326°N			

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08th	R16		Residential	Bedroom	W26	Existing Proposed	37.10 2.97	0.08	NO	326°N	37.28 2.90	0.08	NO
08th	R17		Residential	Bedroom	W27	Existing Proposed	37.10 5.09	0.14	NO	326°N	37.10 2.97	0.08	NO
08th	R18		Residential	Bedroom	W28	Existing Proposed	37.08 5.74	0.15	NO	326°N	37.10 5.09	0.14	NO
08th	R19		Residential	LKD	W29	Existing Proposed	37.19 6.11	0.16	NO	326°N	37.08 5.74	0.15	NO
08th	R19		Residential	LKD	W30	Existing Proposed	37.33 6.38	0.17	NO	326°N			
08th	R19		Residential	LKD	W31	Existing Proposed	17.23 4.67	0.27	NO	236°			
08th	R20		Residential	Bedroom	W32	Existing Proposed	16.30 3.72	0.23	NO	56°N	34.29 6.05	0.18	NO
08th	R20		Residential	Bedroom	W33	Existing Proposed	37.12 6.73	0.18	NO	326°N			
08th	R21		Residential	LKD	W34	Existing Proposed	37.24 6.92	0.19	NO	326°N	30.01 5.70	0.19	NO
08th	R21		Residential	LKD	W35	Existing Proposed	37.40 6.88	0.18	NO	326°N			
08th	R22		Residential	Bedroom	W36	Existing Proposed	37.16 5.30	0.14	NO	326°N	37.35 6.89	0.18	NO
08th	R22		Residential	Bedroom	W37	Existing Proposed	37.18 4.23	0.11	NO	326°N			
08th	R23		Residential	Bedroom	W38	Existing Proposed	37.21 3.04	0.08	NO	326°N	37.17 4.77	0.13	NO

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08th	R24		Residential	LKD	W39	Existing Proposed	37.32 2.91	0.08	NO	326°N	37.21 3.04	0.08	NO
08th	R24		Residential	LKD	W40	Existing Proposed	37.48 2.82	0.08	NO	326°N			
08th	R25		Residential	Bedroom	W41	Existing Proposed	37.25 2.35	0.06	NO	326°N	37.43 2.85	0.08	NO
08th	R25		Residential	Bedroom	W42	Existing Proposed	37.25 2.15	0.06	NO	326°N			
08th	R26		Residential	Bedroom	W43	Existing Proposed	37.29 2.07	0.06	NO	326°N	37.25 2.25	0.06	NO
08th	R27		Residential	Bedroom	W44	Existing Proposed	37.31 2.16	0.06	NO	326°N	37.29 2.07	0.06	NO
08th	R28		Residential	LKD	W45	Existing Proposed	16.92 12.57	0.74	NO	236°	37.31 2.16	0.06	NO
08th	R28		Residential	LKD	W46	Existing Proposed	19.02 12.59	0.66	NO	236°			
08th	R28		Residential	LKD	W47	Existing Proposed	16.06 9.71	0.60	NO	236°			
											17.40 11.66	0.67	NO
09th	R1		Residential	LKD	W1	Existing Proposed	15.25 11.54	0.76	NO	56°N			
09th	R1		Residential	LKD	W2	Existing Proposed	17.18 13.40	0.78	NO	56°N			
09th	R1		Residential	LKD	W3	Existing Proposed	15.21 13.73	0.90	YES	56°N			
09th	R1		Residential	LKD	W4	Existing Proposed	37.78 15.25	0.40	NO	326°N			
09th	R2		Residential	Bedroom	W5	Existing Proposed	37.76 14.28	0.38	NO	326°N	18.44 13.18	0.71	NO

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09th	R3		Residential	Bedroom	W6	Existing Proposed	37.73 12.87	0.34	NO	326°N	37.76 14.28	0.38	NO
09th	R4		Residential	LKD	W7	Existing Proposed	37.81 10.85	0.29	NO	326°N	37.73 12.87	0.34	NO
09th	R4		Residential	LKD	W8	Existing Proposed	37.90 10.22	0.27	NO	326°N			
09th	R5		Residential	Bedroom	W9	Existing Proposed	37.68 8.90	0.24	NO	326°N	37.87 10.43	0.28	NO
09th	R6		Residential	LKD	W10	Existing Proposed	37.76 7.41	0.20	NO	326°N			
09th	R6		Residential	LKD	W11	Existing Proposed	37.86 7.01	0.19	NO	326°N			
09th	R7		Residential	Bedroom	W12	Existing Proposed	37.63 6.07	0.16	NO	326°N	37.83 7.15	0.19	NO
09th	R8		Residential	Bedroom	W13	Existing Proposed	37.59 4.65	0.12	NO	326°N	37.63 6.07	0.16	NO
09th	R9		Residential	LKD	W14	Existing Proposed	37.67 4.36	0.12	NO	326°N			
09th	R9		Residential	LKD	W15	Existing Proposed	37.78 4.22	0.11	NO	326°N			
09th	R10		Residential	Bedroom	W16	Existing Proposed	37.53 3.49	0.09	NO	326°N	37.74 4.27	0.11	NO
09th	R10		Residential	Bedroom	W17	Existing Proposed	15.35 2.45	0.16	NO	236°			
											29.96 3.13	0.10	NO

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09th	R11		Residential	LKD	W18	Existing	16.36	0.37	NO	56°N			
09th	R11		Residential	LKD	W19	Proposed	6.07	0.08	NO	326°N			
09th	R11		Residential	LKD	W20	Existing	37.53	0.08	NO	326°N			
						Proposed	2.94						
						Existing	37.65	0.08	NO	326°N			
						Proposed	3.04				34.43	0.10	NO
											3.46		
09th	R12		Residential	Bedroom	W21	Existing	37.41	0.07	NO	326°N			
						Proposed	2.77				37.41	0.07	NO
											2.77		
09th	R13		Residential	Bedroom	W22	Existing	37.38	0.07	NO	326°N			
						Proposed	2.69				37.38	0.07	NO
											2.69		
09th	R14		Residential	Bedroom	W23	Existing	37.37	0.07	NO	326°N			
						Proposed	2.70				37.37	0.07	NO
											2.70		
09th	R15		Residential	LKD	W24	Existing	37.46	0.08	NO	326°N			
						Proposed	2.89						
09th	R15		Residential	LKD	W25	Existing	37.59	0.08	NO	326°N			
						Proposed	3.06				37.55	0.08	NO
											3.00		
09th	R16		Residential	Bedroom	W26	Existing	37.37	0.08	NO	326°N			
						Proposed	3.05				37.37	0.08	NO
											3.05		
09th	R17		Residential	Bedroom	W27	Existing	37.36	0.14	NO	326°N			
						Proposed	5.19				37.36	0.14	NO
											5.19		
09th	R18		Residential	Bedroom	W28	Existing	37.35	0.16	NO	326°N			
						Proposed	5.90				37.35	0.16	NO
											5.90		
09th	R19		Residential	LKD	W29	Existing	37.47	0.17	NO	326°N			
						Proposed	6.29						
09th	R19		Residential	LKD	W30	Existing	37.61	0.17	NO	326°N			
						Proposed	6.57						

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09th	R19		Residential	LKD	W31	Existing Proposed	19.86 7.40	0.37	NO	236°	34.92 6.61	0.19	NO
09th	R20		Residential	Bedroom	W32	Existing Proposed	16.37 3.82	0.23	NO	56°N			
09th	R20		Residential	Bedroom	W33	Existing Proposed	37.40 6.95	0.19	NO	326°N	30.22 5.88	0.19	NO
09th	R21		Residential	LKD	W34	Existing Proposed	37.51 7.15	0.19	NO	326°N			
09th	R21		Residential	LKD	W35	Existing Proposed	37.66 7.09	0.19	NO	326°N	37.61 7.11	0.19	NO
09th	R22		Residential	Bedroom	W36	Existing Proposed	37.43 5.51	0.15	NO	326°N			
09th	R22		Residential	Bedroom	W37	Existing Proposed	37.45 4.43	0.12	NO	326°N	37.44 4.97	0.13	NO
09th	R23		Residential	Bedroom	W38	Existing Proposed	37.47 3.21	0.09	NO	326°N	37.47 3.21	0.09	NO
09th	R24		Residential	LKD	W39	Existing Proposed	37.58 3.06	0.08	NO	326°N			
09th	R24		Residential	LKD	W40	Existing Proposed	37.72 2.95	0.08	NO	326°N	37.67 2.99	0.08	NO
09th	R25		Residential	Bedroom	W41	Existing Proposed	37.51 2.48	0.07	NO	326°N			
09th	R25		Residential	Bedroom	W42	Existing Proposed	37.50 2.28	0.06	NO	326°N	37.51 2.38	0.06	NO
09th	R26		Residential	Bedroom	W43	Existing Proposed	37.54 2.19	0.06	NO	326°N	37.54 2.19	0.06	NO

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09th	R27		Residential	Bedroom	W44	Existing Proposed	37.56 2.29	0.06	NO	326°N	37.56 2.29	0.06	NO
09th	R28		Residential	LKD	W45	Existing Proposed	20.82 15.96	0.77	NO	236°			
09th	R28		Residential	LKD	W46	Existing Proposed	23.57 15.97	0.68	NO	236°			
09th	R28		Residential	LKD	W47	Existing Proposed	19.93 12.38	0.62	NO	236°	21.52 14.81	0.69	NO
10th	R1		Residential	LKD	W1	Existing Proposed	12.48 9.55	0.77	NO	56°N			
10th	R1		Residential	LKD	W2	Existing Proposed	14.03 11.04	0.79	NO	56°N			
10th	R1		Residential	LKD	W3	Existing Proposed	12.50 11.32	0.91	YES	56°N			
10th	R1		Residential	LKD	W4	Existing Proposed	38.04 15.69	0.41	NO	326°N	15.92 11.23	0.71	NO
10th	R2		Residential	Bedroom	W5	Existing Proposed	38.03 14.68	0.39	NO	326°N	38.03 14.68	0.39	NO
10th	R3		Residential	Bedroom	W6	Existing Proposed	38.00 13.17	0.35	NO	326°N	38.00 13.17	0.35	NO
10th	R4		Residential	LKD	W7	Existing Proposed	38.08 11.11	0.29	NO	326°N			
10th	R4		Residential	LKD	W8	Existing Proposed	38.18 10.47	0.27	NO	326°N	38.15 10.69	0.28	NO
10th	R5		Residential	Bedroom	W9	Existing Proposed	37.94 9.12	0.24	NO	326°N	37.94 9.12	0.24	NO
10th	R6		Residential	LKD	W10	Existing Proposed	38.02 7.59	0.20	NO	326°N			

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10th	R6		Residential	LKD	W11	Existing Proposed	38.13 7.19	0.19	NO	326°N	38.09 7.33	0.19	NO
10th	R7		Residential	Bedroom	W12	Existing Proposed	37.90 6.21	0.16	NO	326°N	37.90 6.21	0.16	NO
10th	R8		Residential	Bedroom	W13	Existing Proposed	37.86 4.75	0.13	NO	326°N	37.86 4.75	0.13	NO
10th	R9		Residential	LKD	W14	Existing Proposed	37.94 4.45	0.12	NO	326°N			
10th	R9		Residential	LKD	W15	Existing Proposed	38.05 4.31	0.11	NO	326°N	38.01 4.36	0.11	NO
10th	R10		Residential	Bedroom	W16	Existing Proposed	37.79 3.57	0.09	NO	326°N			
10th	R10		Residential	Bedroom	W17	Existing Proposed	15.49 2.69	0.17	NO	236°	30.18 3.27	0.11	NO
10th	R11		Residential	LKD	W18	Existing Proposed	16.38 6.19	0.38	NO	56°N			
10th	R11		Residential	LKD	W19	Existing Proposed	37.80 3.06	0.08	NO	326°N			
10th	R11		Residential	LKD	W20	Existing Proposed	37.93 3.17	0.08	NO	326°N	34.67 3.59	0.10	NO
10th	R12		Residential	Bedroom	W21	Existing Proposed	37.68 2.89	0.08	NO	326°N	37.68 2.89	0.08	NO
10th	R13		Residential	Bedroom	W22	Existing Proposed	37.66 2.81	0.07	NO	326°N	37.66 2.81	0.07	NO
10th	R14		Residential	Bedroom	W23	Existing Proposed	37.65 2.81	0.07	NO	326°N			

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10th	R15		Residential	LKD	W24	Existing Proposed	37.75 3.01	0.08	NO	326°N	37.65 2.81	0.07	NO
10th	R15		Residential	LKD	W25	Existing Proposed	37.89 3.21	0.08	NO	326°N			
10th	R16		Residential	Bedroom	W26	Existing Proposed	37.66 3.19	0.08	NO	326°N	37.84 3.14	0.08	NO
10th	R17		Residential	Bedroom	W27	Existing Proposed	37.66 5.34	0.14	NO	326°N	37.66 3.19	0.08	NO
10th	R18		Residential	Bedroom	W28	Existing Proposed	37.65 6.10	0.16	NO	326°N			
10th	R19		Residential	LKD	W29	Existing Proposed	37.76 6.51	0.17	NO	326°N			
10th	R19		Residential	LKD	W30	Existing Proposed	37.91 6.81	0.18	NO	326°N			
10th	R19		Residential	LKD	W31	Existing Proposed	22.58 10.26	0.45	NO	236°			
10th	R20		Residential	Bathroom	W32	Existing Proposed	22.90 5.76	0.25	NO	326°N	35.58 7.24	0.20	NO
10th	R21		Residential	Study	W33	Existing Proposed	37.31 7.40	0.20	NO	326°N			
10th	R21		Residential	Study	W34	Existing Proposed	37.31 7.15	0.19	NO	326°N			
10th	R22		Residential	En Suite	W35	Existing Proposed	37.56 5.93	0.16	NO	326°N	37.31 7.27	0.19	NO
											37.56 5.93	0.16	NO

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10th	R23		Residential	Bedroom	W36	Existing	37.75	0.13	NO	326°N	37.74 4.64	0.12	NO
10th	R23		Residential	Bedroom	W37	Proposed	4.79	0.12	NO	326°N			
						Existing	37.72						
						Proposed	4.48						
10th	R24		Residential	LKD	W38	Existing	37.79	0.10	NO	326°N			
						Proposed	3.70						
10th	R24		Residential	LKD	W39	Existing	37.83	0.09	NO	326°N			
						Proposed	3.28						
10th	R24		Residential	LKD	W40	Existing	38.94	0.71	YES	236°			
						Proposed	27.63						
10th	R24		Residential	LKD	W41	Existing	38.69	0.72	YES	236°	38.70 26.44	0.68	NO
						Proposed	27.90						
10th	R24		Residential	LKD	W42	Existing	38.94	0.76	YES	236°			
						Proposed	29.58						
10th	R24		Residential	LKD	W43	Existing	39.03	1.00	YES	146°			
						Proposed	39.03						
10th	R24		Residential	LKD	W44	Existing	38.69	0.75	YES	236°			
						Proposed	29.11						
10th	R24		Residential	LKD	W45	Existing	38.99	1.00	YES	146°			
						Proposed	38.99						
11th	R1		Residential	LKD	W1	Existing	13.09	0.79	NO	56°N	16.53 12.03	0.73	NO
						Proposed	10.37						
11th	R1		Residential	LKD	W2	Existing	14.71	0.81	YES	56°N			
						Proposed	11.90						
11th	R1		Residential	LKD	W3	Existing	13.22	0.92	YES	56°N			
						Proposed	12.18						
11th	R1		Residential	LKD	W4	Existing	38.25	0.42	NO	326°N			
						Proposed	16.10						
11th	R2		Residential	Bedroom	W5	Existing	38.23	0.39	NO	326°N			
						Proposed	15.04						
											38.23 15.04	0.39	NO
11th	R3		Residential	Bedroom	W6	Existing	38.21	0.35	NO	326°N	38.21 13.48	0.35	NO
						Proposed	13.48						

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11th	R4		Residential	LKD	W7	Existing	38.28	0.30	NO	326°N			
11th	R4		Residential	LKD	W8	Proposed	11.38	0.28	NO	326°N			
						Existing	38.39				38.35	0.29	NO
						Proposed	10.76				10.97		
11th	R5		Residential	Bedroom	W9	Existing	38.15	0.25	NO	326°N			
						Proposed	9.38				38.15	0.25	NO
											9.38		
11th	R6		Residential	LKD	W10	Existing	38.22	0.20	NO	326°N			
						Proposed	7.80						
11th	R6		Residential	LKD	W11	Existing	38.33	0.19	NO	326°N			
						Proposed	7.39				38.29	0.20	NO
											7.53		
11th	R7		Residential	Bedroom	W12	Existing	38.10	0.17	NO	326°N			
						Proposed	6.39				38.10	0.17	NO
											6.39		
11th	R8		Residential	Bedroom	W13	Existing	38.06	0.13	NO	326°N			
						Proposed	4.89				38.06	0.13	NO
											4.89		
11th	R9		Residential	LKD	W14	Existing	38.14	0.12	NO	326°N			
						Proposed	4.58						
11th	R9		Residential	LKD	W15	Existing	38.25	0.12	NO	326°N			
						Proposed	4.44				38.21	0.12	NO
											4.49		
11th	R10		Residential	Bedroom	W16	Existing	37.99	0.10	NO	326°N			
						Proposed	3.69						
11th	R10		Residential	Bedroom	W17	Existing	15.68	0.19	NO	236°			
						Proposed	3.00				30.37	0.11	NO
											3.45		
11th	R11		Residential	LKD	W18	Existing	16.40	0.38	NO	56°N			
						Proposed	6.31						
11th	R11		Residential	LKD	W19	Existing	38.01	0.08	NO	326°N			
						Proposed	3.18						
11th	R11		Residential	LKD	W20	Existing	38.15	0.09	NO	326°N			
						Proposed	3.29						

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11th	R12		Residential	Bedroom	W21	Existing Proposed	37.90 3.01	0.08	NO	326°N	34.86 3.71	0.11	NO
11th	R13		Residential	Bedroom	W22	Existing Proposed	37.88 2.93	0.08	NO	326°N	37.90 3.01	0.08	NO
11th	R14		Residential	Bedroom	W23	Existing Proposed	37.87 2.93	0.08	NO	326°N	37.88 2.93	0.08	NO
11th	R15		Residential	LKD	W24	Existing Proposed	37.97 3.14	0.08	NO	326°N	37.87 2.93	0.08	NO
11th	R15		Residential	LKD	W25	Existing Proposed	38.11 3.36	0.09	NO	326°N	38.06 3.29	0.09	NO
11th	R16		Residential	Bedroom	W26	Existing Proposed	37.89 3.36	0.09	NO	326°N	37.89 3.36	0.09	NO
11th	R17		Residential	Bedroom	W27	Existing Proposed	37.88 5.51	0.15	NO	326°N	37.88 5.51	0.15	NO
11th	R18		Residential	Bedroom	W28	Existing Proposed	37.87 6.30	0.17	NO	326°N	37.87 6.30	0.17	NO
11th	R19		Residential	LKD	W29	Existing Proposed	37.98 6.72	0.18	NO	326°N	35.85 7.53	0.21	NO
11th	R19		Residential	LKD	W30	Existing Proposed	38.13 7.02	0.18	NO	326°N			
11th	R19		Residential	LKD	W31	Existing Proposed	23.17 10.98	0.47	NO	236°			
12th	R1		Residential	LKD	W1	Existing Proposed	13.68 11.15	0.82	YES	56°N			

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12th	R1		Residential	LKD	W2	Existing	15.36	0.83	YES	56°N			
12th	R1		Residential	LKD	W3	Proposed	12.72	0.94	YES	56°N			
12th	R1		Residential	LKD	W4	Existing	13.88	0.43	NO	326°N			
						Proposed	12.98						
						Existing	38.44				17.12	0.75	NO
						Proposed	16.51				12.78		
12th	R2		Residential	Bedroom	W5	Existing	38.43	0.40	NO	326°N			
						Proposed	15.40				38.43	0.40	NO
											15.40		
12th	R3		Residential	Bedroom	W6	Existing	38.41	0.36	NO	326°N			
						Proposed	13.81				38.41	0.36	NO
											13.81		
12th	R4		Residential	LKD	W7	Existing	38.48	0.30	NO	326°N			
						Proposed	11.69						
12th	R4		Residential	LKD	W8	Existing	38.59	0.29	NO	326°N			
						Proposed	11.06				38.55	0.29	NO
											11.27		
12th	R5		Residential	Bedroom	W9	Existing	38.35	0.25	NO	326°N			
						Proposed	9.63				38.35	0.25	NO
											9.63		
12th	R6		Residential	LKD	W10	Existing	38.42	0.21	NO	326°N			
						Proposed	8.01						
12th	R6		Residential	LKD	W11	Existing	38.53	0.20	NO	326°N			
						Proposed	7.59				38.49	0.20	NO
											7.73		
12th	R7		Residential	Bedroom	W12	Existing	38.29	0.17	NO	326°N			
						Proposed	6.56				38.29	0.17	NO
											6.56		
12th	R8		Residential	Bedroom	W13	Existing	38.25	0.13	NO	326°N			
						Proposed	5.04				38.25	0.13	NO
											5.04		
12th	R9		Residential	LKD	W14	Existing	38.33	0.12	NO	326°N			
						Proposed	4.72						

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12th	R9		Residential	LKD	W15	Existing Proposed	38.45 4.58	0.12	NO	326°N	38.41 4.63	0.12	NO
12th	R10		Residential	Bedroom	W16	Existing Proposed	38.19 3.83	0.10	NO	326°N			
12th	R10		Residential	Bedroom	W17	Existing Proposed	16.07 3.53	0.22	NO	236°	30.64 3.73	0.12	NO
12th	R11		Residential	LKD	W18	Existing Proposed	16.42 6.43	0.39	NO	56°N			
12th	R11		Residential	LKD	W19	Existing Proposed	38.22 3.31	0.09	NO	326°N			
12th	R11		Residential	LKD	W20	Existing Proposed	38.35 3.41	0.09	NO	326°N	35.04 3.83	0.11	NO
12th	R12		Residential	Bedroom	W21	Existing Proposed	38.11 3.13	0.08	NO	326°N	38.11 3.13	0.08	NO
12th	R13		Residential	Bedroom	W22	Existing Proposed	38.09 3.05	0.08	NO	326°N	38.09 3.05	0.08	NO
12th	R14		Residential	Bedroom	W23	Existing Proposed	38.09 3.06	0.08	NO	326°N	38.09 3.06	0.08	NO
12th	R15		Residential	LKD	W24	Existing Proposed	38.19 3.30	0.09	NO	326°N			
12th	R15		Residential	LKD	W25	Existing Proposed	38.33 3.54	0.09	NO	326°N	38.28 3.46	0.09	NO
12th	R16		Residential	Bedroom	W26	Existing Proposed	38.11 3.57	0.09	NO	326°N	38.11 3.57	0.09	NO
12th	R17		Residential	Bedroom	W27	Existing Proposed	38.10 5.73	0.15	NO	326°N			

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12th	R18		Residential	Bedroom	W28	Existing Proposed	38.10 6.52	0.17	NO	326°N	38.10 5.73	0.15	NO
12th	R19		Residential	LKD	W29	Existing Proposed	38.20 6.95	0.18	NO	326°N	38.10 6.52	0.17	NO
12th	R19		Residential	LKD	W30	Existing Proposed	38.35 7.26	0.19	NO	326°N			
12th	R19		Residential	LKD	W31	Existing Proposed	23.34 11.31	0.48	NO	236°			
											36.06 7.78	0.22	NO
13th	R1		Residential	LKD	W1	Existing Proposed	14.28 11.93	0.84	YES	56°N			
13th	R1		Residential	LKD	W2	Existing Proposed	16.01 13.54	0.85	YES	56°N			
13th	R1		Residential	LKD	W3	Existing Proposed	14.55 13.78	0.95	YES	56°N			
13th	R1		Residential	LKD	W4	Existing Proposed	38.63 16.91	0.44	NO	326°N			
											17.70 13.54	0.76	NO
13th	R2		Residential	Bedroom	W5	Existing Proposed	38.61 15.74	0.41	NO	326°N			
											38.61 15.74	0.41	NO
13th	R3		Residential	Bedroom	W6	Existing Proposed	38.59 14.12	0.37	NO	326°N			
											38.59 14.12	0.37	NO
13th	R4		Residential	LKD	W7	Existing Proposed	38.66 11.98	0.31	NO	326°N			
13th	R4		Residential	LKD	W8	Existing Proposed	38.78 11.34	0.29	NO	326°N			
											38.74 11.56	0.30	NO
13th	R5		Residential	Bedroom	W9	Existing Proposed	38.53 9.88	0.26	NO	326°N			
											38.53 9.88	0.26	NO

Floor Ref.	Room Ref.	Room Attribute	Property Type	Room Use	Window Ref.	Window Attribute	VSC	Pr/Ex	Meets BRE Criteria	Window Orientation	Room VSC	Pr/Ex	Meets BRE Criteria
13th	R6		Residential	LKD	W10	Existing Proposed	38.60 8.21	0.21	NO	326°N			
13th	R6		Residential	LKD	W11	Existing Proposed	38.72 7.79	0.20	NO	326°N	38.68 7.93	0.21	NO
13th	R7		Residential	Bedroom	W12	Existing Proposed	38.47 6.74	0.18	NO	326°N	38.47 6.74	0.18	NO
13th	R8		Residential	Bedroom	W13	Existing Proposed	38.43 5.19	0.14	NO	326°N	38.43 5.19	0.14	NO
13th	R9		Residential	LKD	W14	Existing Proposed	38.51 4.87	0.13	NO	326°N			
13th	R9		Residential	LKD	W15	Existing Proposed	38.63 4.73	0.12	NO	326°N	38.59 4.78	0.12	NO
13th	R10		Residential	Bedroom	W16	Existing Proposed	38.37 3.97	0.10	NO	326°N			
13th	R10		Residential	Bedroom	W17	Existing Proposed	16.94 4.56	0.27	NO	236°	31.05 4.17	0.13	NO
13th	R11		Residential	LKD	W18	Existing Proposed	16.44 6.54	0.40	NO	56°N			
13th	R11		Residential	LKD	W19	Existing Proposed	38.40 3.43	0.09	NO	326°N			
13th	R11		Residential	LKD	W20	Existing Proposed	38.54 3.54	0.09	NO	326°N	35.20 3.96	0.11	NO
13th	R12		Residential	Bedroom	W21	Existing Proposed	38.30 3.26	0.09	NO	326°N	38.30 3.26	0.09	NO
13th	R13		Residential	Bedroom	W22	Existing Proposed	38.29 3.19	0.08	NO	326°N	38.29 3.19	0.08	NO

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13th	R14		Residential	Bedroom	W23	Existing Proposed	38.28 3.20	0.08	NO	326°N	38.28 3.20	0.08	NO
13th	R15		Residential	LKD	W24	Existing Proposed	38.39 3.47	0.09	NO	326°N			
13th	R15		Residential	LKD	W25	Existing Proposed	38.53 3.75	0.10	NO	326°N	38.48 3.66	0.10	NO
13th	R16		Residential	Bedroom	W26	Existing Proposed	38.31 3.81	0.10	NO	326°N	38.31 3.81	0.10	NO
13th	R17		Residential	Bedroom	W27	Existing Proposed	38.30 5.96	0.16	NO	326°N	38.30 5.96	0.16	NO
13th	R18		Residential	Bedroom	W28	Existing Proposed	38.29 6.75	0.18	NO	326°N	38.29 6.75	0.18	NO
13th	R19		Residential	LKD	W29	Existing Proposed	38.40 7.19	0.19	NO	326°N			
13th	R19		Residential	LKD	W30	Existing Proposed	38.54 7.50	0.19	NO	326°N			
13th	R19		Residential	LKD	W31	Existing Proposed	23.41 11.55	0.49	NO	236°	36.24 8.02	0.22	NO
14th	R1		Residential	LKD	W1	Existing Proposed	18.57 15.86	0.85	YES	56°N			
14th	R1		Residential	LKD	W2	Existing Proposed	20.86 17.97	0.86	YES	56°N			
14th	R1		Residential	LKD	W3	Existing Proposed	19.00 18.25	0.96	YES	56°N			
14th	R1		Residential	LKD	W4	Existing Proposed	38.77 17.29	0.45	NO	326°N	21.74 17.37	0.80	YES
14th	R2		Residential	Bedroom	W5	Existing Proposed	38.76 16.06	0.41	NO	326°N			

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14th	R3		Residential	Bedroom	W6	Existing Proposed	38.74 14.42	0.37	NO	326°N	38.76 16.06	0.41	NO
14th	R4		Residential	LKD	W7	Existing Proposed	38.81 12.26	0.32	NO	326°N	38.74 14.42	0.37	NO
14th	R4		Residential	LKD	W8	Existing Proposed	38.93 11.60	0.30	NO	326°N			
14th	R5		Residential	Bedroom	W9	Existing Proposed	38.68 10.12	0.26	NO	326°N	38.89 11.82	0.30	NO
14th	R6		Residential	LKD	W10	Existing Proposed	38.75 8.41	0.22	NO	326°N	38.68 10.12	0.26	NO
14th	R6		Residential	LKD	W11	Existing Proposed	38.88 7.98	0.21	NO	326°N			
14th	R7		Residential	Bedroom	W12	Existing Proposed	38.63 6.92	0.18	NO	326°N	38.84 8.13	0.21	NO
14th	R8		Residential	Bedroom	W13	Existing Proposed	38.59 5.35	0.14	NO	326°N	38.63 6.92	0.18	NO
14th	R9		Residential	LKD	W14	Existing Proposed	38.67 5.03	0.13	NO	326°N	38.59 5.35	0.14	NO
14th	R9		Residential	LKD	W15	Existing Proposed	38.80 4.89	0.13	NO	326°N			
14th	R10		Residential	Bedroom	W16	Existing Proposed	38.54 4.13	0.11	NO	326°N	38.76 4.94	0.13	NO
14th	R10		Residential	Bedroom	W17	Existing Proposed	18.91 6.68	0.35	NO	236°			
											31.84 5.00	0.16	NO

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14th	R11		Residential	LKD	W18	Existing	16.45	0.40	NO	56°N			
14th	R11		Residential	LKD	W19	Proposed	6.65	0.09	NO	326°N			
14th	R11		Residential	LKD	W20	Existing	38.57	0.09	NO	326°N			
						Proposed	3.57						
						Existing	38.70	0.09	NO	326°N			
						Proposed	3.67				35.34	0.12	NO
											4.09		
14th	R12		Residential	Bedroom	W21	Existing	38.47	0.09	NO	326°N			
						Proposed	3.41						
											38.47	0.09	NO
											3.41		
14th	R13		Residential	Bedroom	W22	Existing	38.46	0.09	NO	326°N			
						Proposed	3.34						
											38.46	0.09	NO
											3.34		
14th	R14		Residential	Bedroom	W23	Existing	38.45	0.09	NO	326°N			
						Proposed	3.35						
											38.45	0.09	NO
											3.35		
14th	R15		Residential	LKD	W24	Existing	38.56	0.09	NO	326°N			
						Proposed	3.65						
14th	R15		Residential	LKD	W25	Existing	38.69	0.10	NO	326°N			
						Proposed	3.95						
											38.65	0.10	NO
											3.85		
14th	R16		Residential	Bedroom	W26	Existing	38.48	0.11	NO	326°N			
						Proposed	4.07						
											38.48	0.11	NO
											4.07		
14th	R17		Residential	Bedroom	W27	Existing	38.47	0.16	NO	326°N			
						Proposed	6.21						
											38.47	0.16	NO
											6.21		
14th	R18		Residential	Bedroom	W28	Existing	38.46	0.18	NO	326°N			
						Proposed	7.00						
											38.46	0.18	NO
											7.00		
14th	R19		Residential	LKD	W29	Existing	38.56	0.19	NO	326°N			
						Proposed	7.43						
14th	R19		Residential	LKD	W30	Existing	38.69	0.20	NO	326°N			
						Proposed	7.74						

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14th	R19		Residential	LKD	W31	Existing Proposed	23.58 11.89	0.50	NO	236°	36.39 8.27	0.23	NO
15th	R1		Residential	LKD	W1	Existing Proposed	15.54 13.52	0.87	YES	56°N			
15th	R1		Residential	LKD	W2	Existing Proposed	17.39 15.21	0.87	YES	56°N			
15th	R1		Residential	LKD	W3	Existing Proposed	15.95 15.41	0.97	YES	56°N			
15th	R1		Residential	LKD	W4	Existing Proposed	38.92 17.63	0.45	NO	326°N	18.93 15.07	0.80	YES
15th	R2		Residential	Bedroom	W5	Existing Proposed	38.91 16.33	0.42	NO	326°N	38.91 16.33	0.42	NO
15th	R3		Residential	Bedroom	W6	Existing Proposed	38.89 14.68	0.38	NO	326°N	38.89 14.68	0.38	NO
15th	R4		Residential	LKD	W7	Existing Proposed	38.96 12.50	0.32	NO	326°N			
15th	R4		Residential	LKD	W8	Existing Proposed	39.09 11.84	0.30	NO	326°N	39.05 12.06	0.31	NO
15th	R5		Residential	Bedroom	W9	Existing Proposed	38.84 10.34	0.27	NO	326°N	38.84 10.34	0.27	NO
15th	R6		Residential	LKD	W10	Existing Proposed	38.91 8.62	0.22	NO	326°N			
15th	R6		Residential	LKD	W11	Existing Proposed	39.05 8.19	0.21	NO	326°N	39.00 8.34	0.21	NO
15th	R7		Residential	Bedroom	W12	Existing Proposed	38.79 7.11	0.18	NO	326°N	38.79 7.11	0.18	NO

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15th	R8		Residential	Bedroom	W13	Existing Proposed	38.76 5.53	0.14	NO	326°N	38.76 5.53	0.14	NO
15th	R9		Residential	LKD	W14	Existing Proposed	38.84 5.20	0.13	NO	326°N			
15th	R9		Residential	LKD	W15	Existing Proposed	38.98 5.07	0.13	NO	326°N	38.93 5.11	0.13	NO
15th	R10		Residential	Bedroom	W16	Existing Proposed	38.71 4.31	0.11	NO	326°N			
15th	R10		Residential	Bedroom	W17	Existing Proposed	21.95 9.91	0.45	NO	236°	32.99 6.22	0.19	NO
15th	R11		Residential	LKD	W18	Existing Proposed	38.47 3.93	0.10	NO	326°N			
15th	R11		Residential	LKD	W19	Existing Proposed	38.51 3.93	0.10	NO	326°N			
15th	R11		Residential	LKD	W20	Existing Proposed	38.42 3.82	0.10	NO	326°N			
15th	R11		Residential	LKD	W21	Existing Proposed	38.62 3.99	0.10	NO	326°N	38.52 3.93	0.10	NO
15th	R12		Residential	Bedroom	W22	Existing Proposed	38.75 4.09	0.11	NO	326°N			
15th	R12		Residential	Bedroom	W23	Existing Proposed	38.76 4.09	0.11	NO	326°N	38.76 4.09	0.11	NO
15th	R13		Residential	Bedroom	W24	Existing Proposed	38.80 4.15	0.11	NO	326°N			
15th	R13		Residential	Bedroom	W25	Existing Proposed	38.81 4.20	0.11	NO	326°N			
15th	R13		Residential	Bedroom	W26	Existing Proposed	38.76 4.53	0.12	NO	326°N	38.79 4.26	0.11	NO
15th	R14		Residential	Bedroom	W27	Existing Proposed	38.71 4.85	0.13	NO	326°N			

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15th	R14		Residential	Bedroom	W28	Existing	38.85	0.13	NO	326°N	38.76 5.12	0.13	NO
15th	R14		Residential	Bedroom	W29	Proposed	5.22	0.14	NO	326°N			
						Existing	38.71						
						Proposed	5.28						
15th	R15		Residential	Bedroom	W30	Existing	38.70	0.17	NO	326°N	38.76 6.87	0.18	NO
15th	R15		Residential	Bedroom	W31	Proposed	6.63	0.18	NO	326°N			
						Existing	38.86						
						Proposed	6.93						
15th	R15		Residential	Bedroom	W32	Existing	38.71	0.18	NO	326°N	38.83 7.98	0.21	NO
						Proposed	7.06						
15th	R16		Residential	LKD	W33	Existing	38.85	0.20	NO	326°N			
						Proposed	7.79						
15th	R16		Residential	LKD	W34	Existing	38.85	0.21	NO	326°N			
						Proposed	8.03						
15th	R16		Residential	LKD	W35	Existing	38.76	0.21	NO	326°N			
						Proposed	8.17						
16th	R1		Residential	LKD	W1	Existing	16.08	0.87	YES	56°N	19.45 15.60	0.80	YES
						Proposed	14.06						
16th	R1		Residential	LKD	W2	Existing	17.98	0.88	YES	56°N			
						Proposed	15.80						
16th	R1		Residential	LKD	W3	Existing	16.56	0.97	YES	56°N			
						Proposed	16.02						
16th	R1		Residential	LKD	W4	Existing	38.98	0.46	NO	326°N			
						Proposed	17.78						
16th	R2		Residential	Bedroom	W5	Existing	38.98	0.42	NO	326°N	38.98 16.42	0.42	NO
						Proposed	16.42						
16th	R3		Residential	Bedroom	W6	Existing	38.96	0.38	NO	326°N	38.96 14.75	0.38	NO
						Proposed	14.75						
16th	R4		Residential	LKD	W7	Existing	39.04	0.32	NO	326°N			
						Proposed	12.56						

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16th	R4		Residential	LKD	W8	Existing Proposed	39.17 11.90	0.30	NO	326°N	39.13 12.12	0.31	NO
16th	R5		Residential	Bedroom	W9	Existing Proposed	38.92 10.40	0.27	NO	326°N	38.92 10.40	0.27	NO
16th	R6		Residential	LKD	W10	Existing Proposed	38.99 8.71	0.22	NO	326°N			
16th	R6		Residential	LKD	W11	Existing Proposed	39.13 8.29	0.21	NO	326°N	39.08 8.43	0.22	NO
16th	R7		Residential	Bedroom	W12	Existing Proposed	38.88 7.22	0.19	NO	326°N	38.88 7.22	0.19	NO
16th	R8		Residential	Bedroom	W13	Existing Proposed	38.85 5.65	0.15	NO	326°N	38.85 5.65	0.15	NO
16th	R9		Residential	LKD	W14	Existing Proposed	38.93 5.33	0.14	NO	326°N			
16th	R9		Residential	LKD	W15	Existing Proposed	39.07 5.22	0.13	NO	326°N	39.02 5.26	0.13	NO
16th	R10		Residential	Bedroom	W16	Existing Proposed	38.81 4.45	0.11	NO	326°N			
16th	R10		Residential	Bedroom	W17	Existing Proposed	22.77 10.93	0.48	NO	236°	33.33 6.66	0.20	NO
17th	R1		Residential	LKD	W1	Existing Proposed	16.55 14.53	0.88	YES	56°N			
17th	R1		Residential	LKD	W2	Existing Proposed	18.51 16.33	0.88	YES	56°N			
17th	R1		Residential	LKD	W3	Existing Proposed	17.09 16.56	0.97	YES	56°N			
17th	R1		Residential	LKD	W4	Existing Proposed	39.01 17.89	0.46	NO	326°N			

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17th	R2		Residential	Bedroom	W5	Existing Proposed	39.00 16.46	0.42	NO	326°N	19.91 16.06	0.81	YES
17th	R3		Residential	Bedroom	W6	Existing Proposed	38.99 14.78	0.38	NO	326°N	39.00 16.46	0.42	NO
17th	R4		Residential	LKD	W7	Existing Proposed	39.07 12.59	0.32	NO	326°N	38.99 14.78	0.38	NO
17th	R4		Residential	LKD	W8	Existing Proposed	39.21 11.94	0.30	NO	326°N	39.16 12.16	0.31	NO
17th	R5		Residential	Bedroom	W9	Existing Proposed	38.95 10.47	0.27	NO	326°N	38.95 10.47	0.27	NO
17th	R6		Residential	LKD	W10	Existing Proposed	39.03 8.80	0.23	NO	326°N	39.12 8.54	0.22	NO
17th	R6		Residential	LKD	W11	Existing Proposed	39.17 8.40	0.21	NO	326°N	38.92 7.33	0.19	NO
17th	R7		Residential	Bedroom	W12	Existing Proposed	38.92 7.33	0.19	NO	326°N	38.89 5.80	0.15	NO
17th	R8		Residential	Bedroom	W13	Existing Proposed	38.89 5.80	0.15	NO	326°N	38.98 5.48	0.14	NO
17th	R9		Residential	LKD	W14	Existing Proposed	38.98 5.48	0.14	NO	326°N	39.12 5.37	0.14	NO
17th	R9		Residential	LKD	W15	Existing Proposed	39.12 5.37	0.14	NO	326°N	39.07 5.41	0.14	NO
17th	R10		Residential	Bedroom	W16	Existing Proposed	38.86 4.62	0.12	NO	326°N			

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17th	R10		Residential	Bedroom	W17	Existing Proposed	23.06 11.42	0.50	NO	236°	33.47 6.94	0.21	NO
18th	R1		Residential	LKD	W1	Existing Proposed	16.58 14.58	0.88	YES	56°N			
18th	R1		Residential	LKD	W2	Existing Proposed	18.60 16.43	0.88	YES	56°N			
18th	R1		Residential	LKD	W3	Existing Proposed	17.19 16.67	0.97	YES	56°N			
18th	R1		Residential	LKD	W4	Existing Proposed	39.03 18.02	0.46	NO	326°N	19.97 16.16	0.81	YES
18th	R2		Residential	Bedroom	W5	Existing Proposed	39.02 16.51	0.42	NO	326°N	39.02 16.51	0.42	NO
18th	R3		Residential	Bedroom	W6	Existing Proposed	39.01 14.80	0.38	NO	326°N	39.01 14.80	0.38	NO
18th	R4		Residential	LKD	W7	Existing Proposed	39.09 12.63	0.32	NO	326°N			
18th	R4		Residential	LKD	W8	Existing Proposed	39.24 12.00	0.31	NO	326°N	39.19 12.21	0.31	NO
18th	R5		Residential	Bedroom	W9	Existing Proposed	38.98 10.56	0.27	NO	326°N	38.98 10.56	0.27	NO
18th	R6		Residential	LKD	W10	Existing Proposed	39.06 8.92	0.23	NO	326°N			
18th	R6		Residential	LKD	W11	Existing Proposed	39.21 8.53	0.22	NO	326°N	39.16 8.66	0.22	NO
18th	R7		Residential	Bedroom	W12	Existing Proposed	38.95 7.47	0.19	NO	326°N	38.95 7.47	0.19	NO

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18th	R8		Residential	Bedroom	W13	Existing Proposed	38.93 5.95	0.15	NO	326°N	38.93 5.95	0.15	NO
18th	R9		Residential	LKD	W14	Existing Proposed	39.02 5.63	0.14	NO	326°N			
18th	R9		Residential	LKD	W15	Existing Proposed	39.16 5.54	0.14	NO	326°N	39.11 5.57	0.14	NO
18th	R10		Residential	Bedroom	W16	Existing Proposed	38.90 4.81	0.12	NO	326°N			
18th	R10		Residential	Bedroom	W17	Existing Proposed	23.15 11.74	0.51	NO	236°	33.52 7.18	0.21	NO
19th	R1		Residential	LKD	W1	Existing Proposed	16.58 14.60	0.88	YES	56°N			
19th	R1		Residential	LKD	W2	Existing Proposed	18.64 16.51	0.89	YES	56°N			
19th	R1		Residential	LKD	W3	Existing Proposed	17.24 16.74	0.97	YES	56°N			
19th	R1		Residential	LKD	W4	Existing Proposed	39.04 18.14	0.46	NO	326°N	20.00 16.22	0.81	YES
19th	R2		Residential	Bedroom	W5	Existing Proposed	39.04 16.57	0.42	NO	326°N	39.04 16.57	0.42	NO
19th	R3		Residential	Bedroom	W6	Existing Proposed	39.03 14.87	0.38	NO	326°N	39.03 14.87	0.38	NO
19th	R4		Residential	LKD	W7	Existing Proposed	39.11 12.70	0.32	NO	326°N			
19th	R4		Residential	LKD	W8	Existing Proposed	39.26 12.08	0.31	NO	326°N	39.21 12.29	0.31	NO
19th	R5		Residential	Bedroom	W9	Existing Proposed	39.00 10.65	0.27	NO	326°N			

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19th	R6		Residential	LKD	W10	Existing Proposed	39.09 9.02	0.23	NO	326°N	39.00 10.65	0.27	NO
19th	R6		Residential	LKD	W11	Existing Proposed	39.24 8.65	0.22	NO	326°N			
19th	R7		Residential	Bedroom	W12	Existing Proposed	38.99 7.60	0.19	NO	326°N	39.19 8.78	0.22	NO
19th	R8		Residential	Bedroom	W13	Existing Proposed	38.97 6.10	0.16	NO	326°N	38.99 7.60	0.19	NO
19th	R9		Residential	LKD	W14	Existing Proposed	39.06 5.79	0.15	NO	326°N			
19th	R9		Residential	LKD	W15	Existing Proposed	39.20 5.70	0.15	NO	326°N			
19th	R10		Residential	Bedroom	W16	Existing Proposed	38.95 4.99	0.13	NO	326°N	38.97 6.10	0.16	NO
19th	R10		Residential	Bedroom	W17	Existing Proposed	23.15 11.96	0.52	NO	236°			
											33.56 7.37	0.22	NO
20th	R1		Residential	LKD	W1	Existing Proposed	16.58 14.65	0.88	YES	56°N			
20th	R1		Residential	LKD	W2	Existing Proposed	18.68 16.59	0.89	YES	56°N			
20th	R1		Residential	LKD	W3	Existing Proposed	17.28 16.82	0.97	YES	56°N			
20th	R1		Residential	LKD	W4	Existing Proposed	39.05 18.28	0.47	NO	326°N			
											20.03 16.30	0.81	YES
20th	R2		Residential	Bedroom	W5	Existing Proposed	39.05 16.65	0.43	NO	326°N			
											39.05 16.65	0.43	NO

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20th	R3		Residential	Bedroom	W6	Existing Proposed	39.04 14.97	0.38	NO	326°N	39.04 14.97	0.38	NO
20th	R4		Residential	LKD	W7	Existing Proposed	39.13 12.78	0.33	NO	326°N			
20th	R4		Residential	LKD	W8	Existing Proposed	39.28 12.16	0.31	NO	326°N	39.23 12.37	0.32	NO
20th	R5		Residential	Bedroom	W9	Existing Proposed	39.02 10.73	0.27	NO	326°N	39.02 10.73	0.27	NO
20th	R6		Residential	LKD	W10	Existing Proposed	39.12 9.13	0.23	NO	326°N			
20th	R6		Residential	LKD	W11	Existing Proposed	39.26 8.77	0.22	NO	326°N	39.21 8.89	0.23	NO
20th	R7		Residential	Bedroom	W12	Existing Proposed	39.01 7.74	0.20	NO	326°N	39.01 7.74	0.20	NO
20th	R8		Residential	Bedroom	W13	Existing Proposed	39.00 6.25	0.16	NO	326°N	39.00 6.25	0.16	NO
20th	R9		Residential	LKD	W14	Existing Proposed	39.09 5.95	0.15	NO	326°N			
20th	R9		Residential	LKD	W15	Existing Proposed	39.24 5.87	0.15	NO	326°N	39.19 5.90	0.15	NO
20th	R10		Residential	Bedroom	W16	Existing Proposed	38.98 5.18	0.13	NO	326°N			
20th	R10		Residential	Bedroom	W17	Existing Proposed	23.15 12.21	0.53	NO	236°	33.58 7.58	0.23	NO
21st	R1		Residential	LKD	W1	Existing Proposed	16.58 14.72	0.89	YES	56°N			

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21st	R1		Residential	LKD	W2	Existing	18.71	0.89	YES	56°N			
21st	R1		Residential	LKD	W3	Proposed	16.69	0.98	YES	56°N			
21st	R1		Residential	LKD	W4	Existing	17.31	0.47	NO	326°N			
						Proposed	16.88						
						Existing	39.05				20.05	0.82	YES
						Proposed	18.42				16.38		
21st	R2		Residential	Bedroom	W5	Existing	39.05	0.43	NO	326°N			
						Proposed	16.73				39.05	0.43	NO
											16.73		
21st	R3		Residential	Bedroom	W6	Existing	39.05	0.39	NO	326°N			
						Proposed	15.05				39.05	0.39	NO
											15.05		
21st	R4		Residential	LKD	W7	Existing	39.14	0.33	NO	326°N			
						Proposed	12.84						
21st	R4		Residential	LKD	W8	Existing	39.28	0.31	NO	326°N			
						Proposed	12.22				39.23	0.32	NO
											12.43		
21st	R5		Residential	Bedroom	W9	Existing	39.03	0.28	NO	326°N			
						Proposed	10.80				39.03	0.28	NO
											10.80		
21st	R6		Residential	LKD	W10	Existing	39.13	0.24	NO	326°N			
						Proposed	9.22						
21st	R6		Residential	LKD	W11	Existing	39.27	0.23	NO	326°N			
						Proposed	8.87				39.22	0.23	NO
											8.99		
21st	R7		Residential	Bedroom	W12	Existing	39.02	0.20	NO	326°N			
						Proposed	7.85				39.02	0.20	NO
											7.85		
21st	R8		Residential	Bedroom	W13	Existing	39.02	0.16	NO	326°N			
						Proposed	6.40				39.02	0.16	NO
											6.40		
21st	R9		Residential	LKD	W14	Existing	39.11	0.16	NO	326°N			
						Proposed	6.10						

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21st	R9		Residential	LKD	W15	Existing Proposed	39.26 6.03	0.15	NO	326°N	39.21 6.05	0.15	NO
21st	R10		Residential	Bedroom	W16	Existing Proposed	39.01 5.37	0.14	NO	326°N			
21st	R10		Residential	Bedroom	W17	Existing Proposed	23.16 12.47	0.54	NO	236°	33.60 7.79	0.23	NO
22nd	R1		Residential	LKD	W1	Existing Proposed	16.58 14.81	0.89	YES	56°N			
22nd	R1		Residential	LKD	W2	Existing Proposed	18.72 16.80	0.90	YES	56°N			
22nd	R1		Residential	LKD	W3	Existing Proposed	17.32 16.93	0.98	YES	56°N			
22nd	R1		Residential	LKD	W4	Existing Proposed	39.07 18.57	0.48	NO	326°N	20.05 16.48	0.82	YES
22nd	R2		Residential	Bedroom	W5	Existing Proposed	39.07 16.81	0.43	NO	326°N	39.07 16.81	0.43	NO
22nd	R3		Residential	Bedroom	W6	Existing Proposed	39.07 15.05	0.39	NO	326°N	39.07 15.05	0.39	NO
22nd	R4		Residential	LKD	W7	Existing Proposed	39.16 12.85	0.33	NO	326°N			
22nd	R4		Residential	LKD	W8	Existing Proposed	39.31 12.21	0.31	NO	326°N	39.26 12.43	0.32	NO
22nd	R5		Residential	Bedroom	W9	Existing Proposed	39.06 10.81	0.28	NO	326°N	39.06 10.81	0.28	NO
22nd	R6		Residential	LKD	W10	Existing Proposed	39.16 9.24	0.24	NO	326°N			
22nd	R6		Residential	LKD	W11	Existing Proposed	39.31 8.91	0.23	NO	326°N			

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22nd	R7		Residential	Bedroom	W12	Existing Proposed	39.06 7.90	0.20	NO	326°N	39.26 9.02	0.23	NO
22nd	R8		Residential	Bedroom	W13	Existing Proposed	39.06 6.50	0.17	NO	326°N	39.06 7.90	0.20	NO
22nd	R9		Residential	LKD	W14	Existing Proposed	39.16 6.22	0.16	NO	326°N	39.06 6.50	0.17	NO
22nd	R9		Residential	LKD	W15	Existing Proposed	39.30 6.16	0.16	NO	326°N			
22nd	R10		Residential	Bedroom	W16	Existing Proposed	39.05 5.53	0.14	NO	326°N	39.25 6.18	0.16	NO
22nd	R10		Residential	Bedroom	W17	Existing Proposed	23.16 12.74	0.55	NO	236°			
											33.63 7.99	0.24	NO
23rd	R1		Residential	LKD	W1	Existing Proposed	16.58 14.95	0.90	YES	56°N			
23rd	R1		Residential	LKD	W2	Existing Proposed	18.72 16.95	0.91	YES	56°N			
23rd	R1		Residential	LKD	W3	Existing Proposed	17.32 16.96	0.98	YES	56°N			
23rd	R1		Residential	LKD	W4	Existing Proposed	39.08 18.75	0.48	NO	326°N			
23rd	R2		Residential	Bedroom	W5	Existing Proposed	39.09 16.94	0.43	NO	326°N	20.06 16.59	0.83	YES
23rd	R3		Residential	Bedroom	W6	Existing Proposed	39.09 15.13	0.39	NO	326°N	39.09 16.94	0.43	NO
23rd	R4		Residential	LKD	W7	Existing Proposed	39.18 12.93	0.33	NO	326°N	39.09 15.13	0.39	NO

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23rd	R4		Residential	LKD	W8	Existing Proposed	39.33 12.29	0.31	NO	326°N	39.28 12.51	0.32	NO
23rd	R5		Residential	Bedroom	W9	Existing Proposed	39.08 10.89	0.28	NO	326°N	39.08 10.89	0.28	NO
23rd	R6		Residential	LKD	W10	Existing Proposed	39.18 9.33	0.24	NO	326°N			
23rd	R6		Residential	LKD	W11	Existing Proposed	39.33 9.00	0.23	NO	326°N	39.28 9.11	0.23	NO
23rd	R7		Residential	Bedroom	W12	Existing Proposed	39.08 8.00	0.20	NO	326°N	39.08 8.00	0.20	NO
23rd	R8		Residential	Bedroom	W13	Existing Proposed	39.08 6.66	0.17	NO	326°N	39.08 6.66	0.17	NO
23rd	R9		Residential	LKD	W14	Existing Proposed	39.18 6.38	0.16	NO	326°N			
23rd	R9		Residential	LKD	W15	Existing Proposed	39.32 6.33	0.16	NO	326°N	39.27 6.35	0.16	NO
23rd	R10		Residential	Bedroom	W16	Existing Proposed	39.08 5.73	0.15	NO	326°N			
23rd	R10		Residential	Bedroom	W17	Existing Proposed	23.16 13.04	0.56	NO	236°	33.65 8.23	0.24	NO
24th	R1		Residential	LKD	W1	Existing Proposed	16.58 15.12	0.91	YES	56°N			
24th	R1		Residential	LKD	W2	Existing Proposed	18.72 17.13	0.92	YES	56°N			
24th	R1		Residential	LKD	W3	Existing Proposed	17.32 17.00	0.98	YES	56°N			
24th	R1		Residential	LKD	W4	Existing Proposed	39.10 19.05	0.49	NO	326°N			

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24th	R2		Residential	Bedroom	W5	Existing Proposed	39.10 17.24	0.44	NO	326°N	20.06 16.74	0.83	YES
24th	R3		Residential	Bedroom	W6	Existing Proposed	39.10 15.43	0.39	NO	326°N	39.10 17.24	0.44	NO
24th	R4		Residential	LKD	W7	Existing Proposed	39.19 13.23	0.34	NO	326°N	39.10 15.43	0.39	NO
24th	R4		Residential	LKD	W8	Existing Proposed	39.34 12.59	0.32	NO	326°N	39.29 12.81	0.33	NO
24th	R5		Residential	Bedroom	W9	Existing Proposed	39.09 11.19	0.29	NO	326°N	39.09 11.19	0.29	NO
24th	R6		Residential	LKD	W10	Existing Proposed	39.19 9.61	0.25	NO	326°N	39.29 9.40	0.24	NO
24th	R6		Residential	LKD	W11	Existing Proposed	39.34 9.29	0.24	NO	326°N	39.09 8.29	0.21	NO
24th	R7		Residential	Bedroom	W12	Existing Proposed	39.09 8.29	0.21	NO	326°N	39.09 8.29	0.21	NO
24th	R8		Residential	Bedroom	W13	Existing Proposed	39.09 6.94	0.18	NO	326°N	39.09 6.94	0.18	NO
24th	R9		Residential	LKD	W14	Existing Proposed	39.19 6.67	0.17	NO	326°N	39.29 6.63	0.17	NO
24th	R9		Residential	LKD	W15	Existing Proposed	39.34 6.61	0.17	NO	326°N			
24th	R10		Residential	Bedroom	W16	Existing Proposed	39.09 6.00	0.15	NO	326°N			

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24th	R10		Residential	Bedroom	W17	Existing Proposed	23.17 13.35	0.58	NO	236°	33.66 8.51	0.25	NO
25th	R1		Residential	LKD	W1	Existing Proposed	16.58 15.29	0.92	YES	56°N			
25th	R1		Residential	LKD	W2	Existing Proposed	18.72 17.32	0.93	YES	56°N			
25th	R1		Residential	LKD	W3	Existing Proposed	17.32 17.04	0.98	YES	56°N			
25th	R1		Residential	LKD	W4	Existing Proposed	39.11 19.35	0.49	NO	326°N	20.06 16.90	0.84	YES
25th	R2		Residential	Bedroom	W5	Existing Proposed	39.11 17.57	0.45	NO	326°N	39.11 17.57	0.45	NO
25th	R3		Residential	Bedroom	W6	Existing Proposed	39.11 15.75	0.40	NO	326°N	39.11 15.75	0.40	NO
25th	R4		Residential	LKD	W7	Existing Proposed	39.20 13.54	0.35	NO	326°N			
25th	R4		Residential	LKD	W8	Existing Proposed	39.35 12.90	0.33	NO	326°N	39.30 13.12	0.33	NO
25th	R5		Residential	Bedroom	W9	Existing Proposed	39.11 11.50	0.29	NO	326°N	39.11 11.50	0.29	NO
25th	R6		Residential	LKD	W10	Existing Proposed	39.20 9.93	0.25	NO	326°N			
25th	R6		Residential	LKD	W11	Existing Proposed	39.35 9.60	0.24	NO	326°N	39.30 9.71	0.25	NO
25th	R7		Residential	Bedroom	W12	Existing Proposed	39.10 8.59	0.22	NO	326°N	39.10 8.59	0.22	NO

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Floor Ref.	Room Ref.	Room Attribute	Property Type	Room Use	Window Ref.	Window Attribute	VSC	Pr/Ex	Meets BRE Criteria	Window Orientation	Room VSC	Pr/Ex	Meets BRE Criteria
25th	R8		Residential	Bedroom	W13	Existing Proposed	39.10 7.25	0.19	NO	326°N	39.10 7.25	0.19	NO
25th	R9		Residential	LKD	W14	Existing Proposed	39.20 6.97	0.18	NO	326°N			
25th	R9		Residential	LKD	W15	Existing Proposed	39.35 6.92	0.18	NO	326°N	39.30 6.94	0.18	NO
25th	R10		Residential	Bedroom	W16	Existing Proposed	39.10 6.30	0.16	NO	326°N			
25th	R10		Residential	Bedroom	W17	Existing Proposed	23.17 13.68	0.59	NO	236°	33.66 8.82	0.26	NO
26th	R1		Residential	LKD	W1	Existing Proposed	16.58 15.47	0.93	YES	56°N			
26th	R1		Residential	LKD	W2	Existing Proposed	18.72 17.51	0.94	YES	56°N			
26th	R1		Residential	LKD	W3	Existing Proposed	17.32 17.08	0.99	YES	56°N			
26th	R1		Residential	LKD	W4	Existing Proposed	39.12 19.68	0.50	NO	326°N	20.06 17.06	0.85	YES
26th	R2		Residential	Bedroom	W5	Existing Proposed	39.12 17.92	0.46	NO	326°N	39.12 17.92	0.46	NO
26th	R3		Residential	Bedroom	W6	Existing Proposed	39.12 16.10	0.41	NO	326°N	39.12 16.10	0.41	NO
26th	R4		Residential	LKD	W7	Existing Proposed	39.21 13.89	0.35	NO	326°N			
26th	R4		Residential	LKD	W8	Existing Proposed	39.36 13.25	0.34	NO	326°N	39.31 13.47	0.34	NO
26th	R5		Residential	Bedroom	W9	Existing Proposed	39.12 11.84	0.30	NO	326°N			

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26th	R6		Residential	LKD	W10	Existing Proposed	39.21 10.26	0.26	NO	326°N	39.12 11.84	0.30	NO
26th	R6		Residential	LKD	W11	Existing Proposed	39.36 9.93	0.25	NO	326°N			
26th	R7		Residential	Bedroom	W12	Existing Proposed	39.11 8.92	0.23	NO	326°N	39.31 10.04	0.26	NO
26th	R8		Residential	Bedroom	W13	Existing Proposed	39.11 7.57	0.19	NO	326°N	39.11 8.92	0.23	NO
26th	R9		Residential	LKD	W14	Existing Proposed	39.21 7.30	0.19	NO	326°N			
26th	R9		Residential	LKD	W15	Existing Proposed	39.36 7.25	0.18	NO	326°N	39.11 7.57	0.19	NO
26th	R10		Residential	Bedroom	W16	Existing Proposed	39.11 6.62	0.17	NO	326°N			
26th	R10		Residential	Bedroom	W17	Existing Proposed	23.18 14.02	0.60	NO	236°	39.31 7.27	0.18	NO
											33.67 9.15	0.27	NO
27th	R1		Residential	LKD	W1	Existing Proposed	16.58 15.64	0.94	YES	56°N			
27th	R1		Residential	LKD	W2	Existing Proposed	18.72 17.70	0.95	YES	56°N			
27th	R1		Residential	LKD	W3	Existing Proposed	17.32 17.12	0.99	YES	56°N			
27th	R1		Residential	LKD	W4	Existing Proposed	39.13 20.03	0.51	NO	326°N			
											20.06 17.22	0.86	YES
27th	R2		Residential	Bedroom	W5	Existing Proposed	39.13 18.30	0.47	NO	326°N	39.13 18.30	0.47	NO

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Floor Ref.	Room Ref.	Room Attribute	Property Type	Room Use	Window Ref.	Window Attribute	VSC	Pr/Ex	Meets BRE Criteria	Window Orientation	Room VSC	Pr/Ex	Meets BRE Criteria
27th	R3		Residential	Bedroom	W6	Existing Proposed	39.13 16.48	0.42	NO	326°N	39.13 16.48	0.42	NO
27th	R4		Residential	LKD	W7	Existing Proposed	39.23 14.27	0.36	NO	326°N			
27th	R4		Residential	LKD	W8	Existing Proposed	39.37 13.62	0.35	NO	326°N	39.32 13.84	0.35	NO
27th	R5		Residential	Bedroom	W9	Existing Proposed	39.13 12.21	0.31	NO	326°N	39.13 12.21	0.31	NO
27th	R6		Residential	LKD	W10	Existing Proposed	39.23 10.63	0.27	NO	326°N			
27th	R6		Residential	LKD	W11	Existing Proposed	39.37 10.29	0.26	NO	326°N	39.32 10.41	0.26	NO
27th	R7		Residential	Bedroom	W12	Existing Proposed	39.13 9.27	0.24	NO	326°N	39.13 9.27	0.24	NO
27th	R8		Residential	Bedroom	W13	Existing Proposed	39.13 7.91	0.20	NO	326°N	39.13 7.91	0.20	NO
27th	R9		Residential	LKD	W14	Existing Proposed	39.22 7.64	0.19	NO	326°N			
27th	R9		Residential	LKD	W15	Existing Proposed	39.37 7.58	0.19	NO	326°N	39.32 7.60	0.19	NO
27th	R10		Residential	Bedroom	W16	Existing Proposed	39.12 6.94	0.18	NO	326°N			
27th	R10		Residential	Bedroom	W17	Existing Proposed	23.19 14.38	0.62	NO	236°	33.68 9.48	0.28	NO
28th	R1		Residential	LKD	W1	Existing Proposed	16.58 15.82	0.95	YES	56°N			

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Floor Ref.	Room Ref.	Room Attribute	Property Type	Room Use	Window Ref.	Window Attribute	VSC	Pr/Ex	Meets BRE Criteria	Window Orientation	Room VSC	Pr/Ex	Meets BRE Criteria
28th	R1		Residential	LKD	W2	Existing	18.72	0.96	YES	56°N			
28th	R1		Residential	LKD	W3	Proposed	17.89	0.99	YES	56°N			
28th	R1		Residential	LKD	W4	Existing	17.32						
						Proposed	17.16						
						Existing	39.14	0.52	NO	326°N			
						Proposed	20.40				20.06	0.87	YES
											17.38		
28th	R2		Residential	Bedroom	W5	Existing	39.14	0.48	NO	326°N			
						Proposed	18.71				39.14	0.48	NO
											18.71		
28th	R3		Residential	Bedroom	W6	Existing	39.14	0.43	NO	326°N			
						Proposed	16.89				39.14	0.43	NO
											16.89		
28th	R4		Residential	LKD	W7	Existing	39.23	0.37	NO	326°N			
						Proposed	14.68						
28th	R4		Residential	LKD	W8	Existing	39.38	0.36	NO	326°N			
						Proposed	14.04				39.33	0.36	NO
											14.26		
28th	R5		Residential	Bedroom	W9	Existing	39.14	0.32	NO	326°N			
						Proposed	12.61				39.14	0.32	NO
											12.61		
28th	R6		Residential	LKD	W10	Existing	39.23	0.28	NO	326°N			
						Proposed	11.02						
28th	R6		Residential	LKD	W11	Existing	39.38	0.27	NO	326°N			
						Proposed	10.67				39.33	0.27	NO
											10.79		
28th	R7		Residential	Bedroom	W12	Existing	39.14	0.25	NO	326°N			
						Proposed	9.65				39.14	0.25	NO
											9.65		
28th	R8		Residential	Bedroom	W13	Existing	39.14	0.21	NO	326°N			
						Proposed	8.28				39.14	0.21	NO
											8.28		
28th	R9		Residential	LKD	W14	Existing	39.23	0.20	NO	326°N			
						Proposed	8.00						

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Floor Ref.	Room Ref.	Room Attribute	Property Type	Room Use	Window Ref.	Window Attribute	VSC	Pr/Ex	Meets BRE Criteria	Window Orientation	Room VSC	Pr/Ex	Meets BRE Criteria
28th	R9		Residential	LKD	W15	Existing Proposed	39.38 7.94	0.20	NO	326°N	39.33 7.96	0.20	NO
28th	R10		Residential	Bedroom	W16	Existing Proposed	39.13 7.29	0.19	NO	326°N			
28th	R10		Residential	Bedroom	W17	Existing Proposed	23.21 14.77	0.64	NO	236°	33.70 9.84	0.29	NO
29th	R1		Residential	LKD	W1	Existing Proposed	16.58 15.98	0.96	YES	56°N			
29th	R1		Residential	LKD	W2	Existing Proposed	18.72 18.07	0.97	YES	56°N			
29th	R1		Residential	LKD	W3	Existing Proposed	17.32 17.19	0.99	YES	56°N			
29th	R1		Residential	LKD	W4	Existing Proposed	39.15 20.79	0.53	NO	326°N	20.06 17.54	0.87	YES
29th	R2		Residential	Bedroom	W5	Existing Proposed	39.15 19.16	0.49	NO	326°N	39.15 19.16	0.49	NO
29th	R3		Residential	Bedroom	W6	Existing Proposed	39.15 17.34	0.44	NO	326°N	39.15 17.34	0.44	NO
29th	R4		Residential	LKD	W7	Existing Proposed	39.25 15.12	0.39	NO	326°N			
29th	R4		Residential	LKD	W8	Existing Proposed	39.39 14.48	0.37	NO	326°N	39.34 14.70	0.37	NO
29th	R5		Residential	Bedroom	W9	Existing Proposed	39.15 13.04	0.33	NO	326°N	39.15 13.04	0.33	NO
29th	R6		Residential	LKD	W10	Existing Proposed	39.25 11.44	0.29	NO	326°N			
29th	R6		Residential	LKD	W11	Existing Proposed	39.39 11.09	0.28	NO	326°N			

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Floor Ref.	Room Ref.	Room Attribute	Property Type	Room Use	Window Ref.	Window Attribute	VSC	Pr/Ex	Meets BRE Criteria	Window Orientation	Room VSC	Pr/Ex	Meets BRE Criteria
29th	R7		Residential	Bedroom	W12	Existing Proposed	39.15 10.06	0.26	NO	326°N	39.34 11.21	0.28	NO
29th	R8		Residential	Bedroom	W13	Existing Proposed	39.15 8.67	0.22	NO	326°N	39.15 10.06	0.26	NO
29th	R9		Residential	LKD	W14	Existing Proposed	39.25 8.39	0.21	NO	326°N	39.15 8.67	0.22	NO
29th	R9		Residential	LKD	W15	Existing Proposed	39.39 8.33	0.21	NO	326°N			
29th	R10		Residential	Bedroom	W16	Existing Proposed	39.14 7.67	0.20	NO	326°N	39.34 8.35	0.21	NO
29th	R10		Residential	Bedroom	W17	Existing Proposed	23.25 15.21	0.65	NO	236°			
											33.72 10.24	0.30	NO
30th	R1		Residential	LKD	W1	Existing Proposed	16.58 16.15	0.97	YES	56°N			
30th	R1		Residential	LKD	W2	Existing Proposed	18.72 18.25	0.97	YES	56°N			
30th	R1		Residential	LKD	W3	Existing Proposed	17.32 17.23	0.99	YES	56°N			
30th	R1		Residential	LKD	W4	Existing Proposed	39.16 21.20	0.54	NO	326°N			
											20.06 17.70	0.88	YES
30th	R2		Residential	Bedroom	W5	Existing Proposed	39.16 19.64	0.50	NO	326°N			
											39.16 19.64	0.50	NO
30th	R3		Residential	Bedroom	W6	Existing Proposed	39.16 17.83	0.46	NO	326°N			
											39.16 17.83	0.46	NO
30th	R4		Residential	LKD	W7	Existing Proposed	39.26 15.61	0.40	NO	326°N			

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Floor Ref.	Room Ref.	Room Attribute	Property Type	Room Use	Window Ref.	Window Attribute	VSC	Pr/Ex	Meets BRE Criteria	Window Orientation	Room VSC	Pr/Ex	Meets BRE Criteria
30th	R4		Residential	LKD	W8	Existing Proposed	39.40 14.96	0.38	NO	326°N	39.35 15.18	0.39	NO
30th	R5		Residential	Bedroom	W9	Existing Proposed	39.16 13.51	0.34	NO	326°N	39.16 13.51	0.34	NO
30th	R6		Residential	LKD	W10	Existing Proposed	39.26 11.88	0.30	NO	326°N	39.35 11.64	0.30	NO
30th	R6		Residential	LKD	W11	Existing Proposed	39.40 11.52	0.29	NO	326°N	39.16 10.48	0.27	NO
30th	R7		Residential	Bedroom	W12	Existing Proposed	39.16 10.48	0.27	NO	326°N	39.16 10.48	0.27	NO
30th	R8		Residential	Bedroom	W13	Existing Proposed	39.16 9.07	0.23	NO	326°N	39.16 9.07	0.23	NO
30th	R9		Residential	LKD	W14	Existing Proposed	39.25 8.80	0.22	NO	326°N	39.35 8.77	0.22	NO
30th	R9		Residential	LKD	W15	Existing Proposed	39.40 8.75	0.22	NO	326°N	39.35 8.77	0.22	NO
30th	R10		Residential	Bedroom	W16	Existing Proposed	39.15 8.08	0.21	NO	326°N	39.35 8.77	0.22	NO
30th	R10		Residential	Bedroom	W17	Existing Proposed	23.32 15.68	0.67	NO	236°	33.75 10.67	0.32	NO
31st	R1		Residential	LKD	W1	Existing Proposed	16.90 16.62	0.98	YES	56°N			
31st	R1		Residential	LKD	W2	Existing Proposed	18.97 18.67	0.98	YES	56°N			
31st	R1		Residential	LKD	W3	Existing Proposed	17.46 17.40	1.00	YES	56°N			
31st	R1		Residential	LKD	W4	Existing Proposed	39.16 21.63	0.55	NO	326°N			

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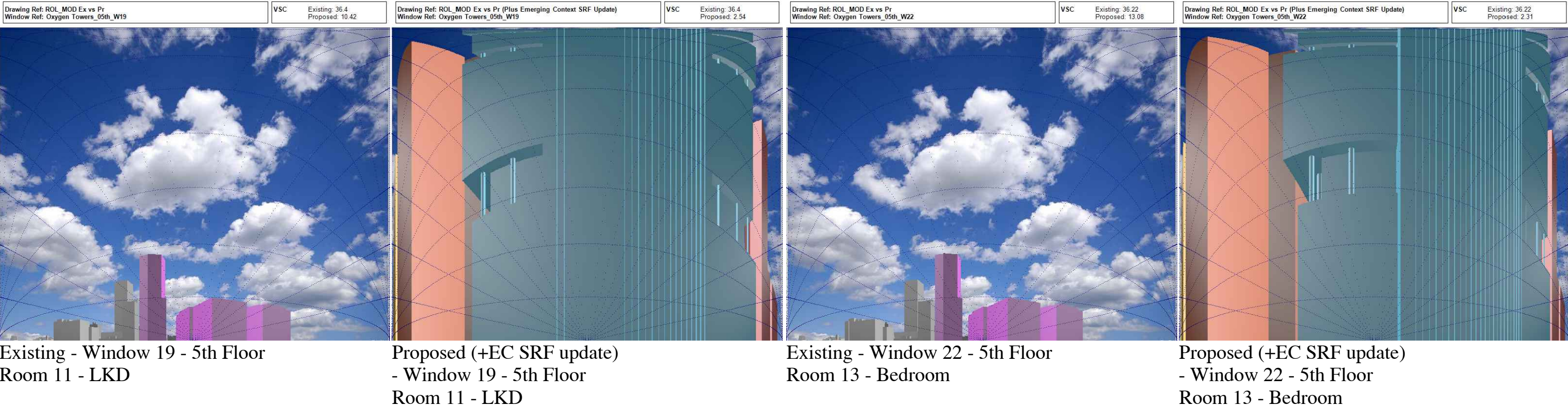
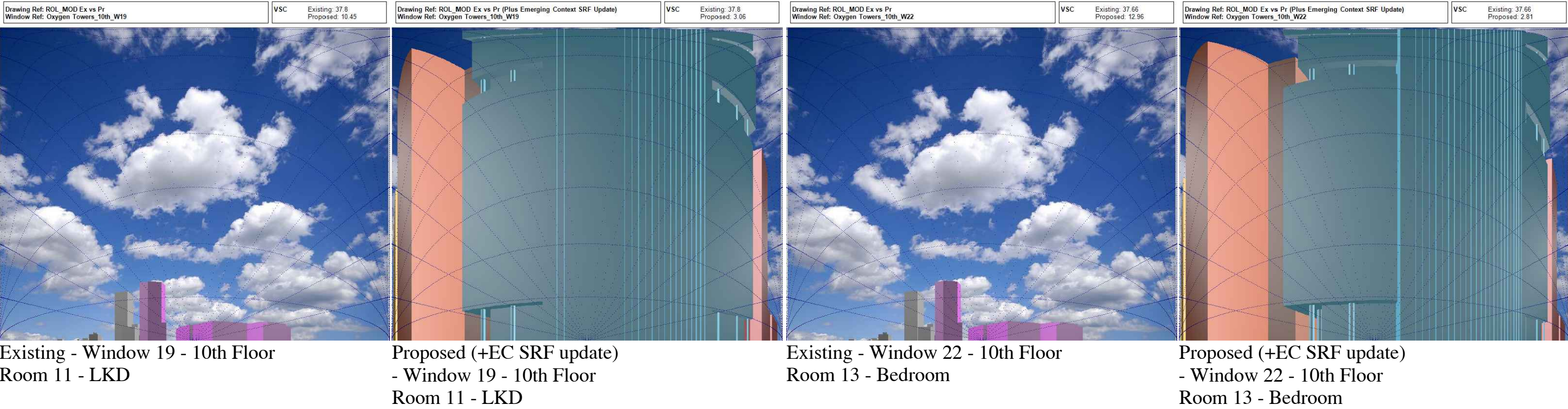
Floor Ref.	Room Ref.	Room Attribute	Property Type	Room Use	Window Ref.	Window Attribute	VSC	Pr/Ex	Meets BRE Criteria	Window Orientation	Room VSC	Pr/Ex	Meets BRE Criteria
31st	R2		Residential	Bedroom	W5	Existing Proposed	39.16 20.16	0.51	NO	326°N	20.27 18.07	0.89	YES
31st	R3		Residential	Bedroom	W6	Existing Proposed	39.16 18.35	0.47	NO	326°N	39.16 20.16	0.51	NO
31st	R4		Residential	LKD	W7	Existing Proposed	39.25 16.13	0.41	NO	326°N	39.16 18.35	0.47	NO
31st	R4		Residential	LKD	W8	Existing Proposed	39.39 15.46	0.39	NO	326°N	39.34 15.69	0.40	NO
31st	R5		Residential	Bedroom	W9	Existing Proposed	39.16 14.00	0.36	NO	326°N	39.16 14.00	0.36	NO
31st	R6		Residential	LKD	W10	Existing Proposed	39.25 12.34	0.31	NO	326°N	39.34 12.09	0.31	NO
31st	R6		Residential	LKD	W11	Existing Proposed	39.39 11.96	0.30	NO	326°N	39.16 10.92	0.28	NO
31st	R7		Residential	Bedroom	W12	Existing Proposed	39.16 10.92	0.28	NO	326°N	39.16 10.92	0.28	NO
31st	R8		Residential	Bedroom	W13	Existing Proposed	39.16 9.49	0.24	NO	326°N	39.16 9.49	0.24	NO
31st	R9		Residential	LKD	W14	Existing Proposed	39.25 9.22	0.23	NO	326°N	39.34 9.18	0.23	NO
31st	R9		Residential	LKD	W15	Existing Proposed	39.39 9.16	0.23	NO	326°N			
31st	R10		Residential	Bedroom	W16	Existing Proposed	39.16 8.51	0.22	NO	326°N			

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Floor Ref.	Room Ref.	Room Attribute	Property Type	Room Use	Window Ref.	Window Attribute	VSC	Pr/Ex	Meets BRE Criteria	Window Orientation	Room VSC	Pr/Ex	Meets BRE Criteria
31st	R10		Residential	Bedroom	W17	Existing Proposed	23.43 16.21	0.69	NO	236°	33.79 11.14	0.33	NO
32nd	R1		Residential	Bedroom	W1	Existing Proposed	32.75 32.75	1.00	YES	56°N	35.56 30.24	0.85	YES
32nd	R1		Residential	Bedroom	W2	Existing Proposed	32.64 32.62	1.00	YES	56°N			
32nd	R1		Residential	Bedroom	W3	Existing Proposed	38.21 38.18	1.00	YES	56°N			
32nd	R1		Residential	Bedroom	W4	Existing Proposed	38.25 38.21	1.00	YES	56°N			
32nd	R1		Residential	Bedroom	W5	Existing Proposed	33.60 17.78	0.53	NO	326°N			
32nd	R1		Residential	Bedroom	W6	Existing Proposed	33.75 17.63	0.52	NO	326°N			
32nd	R1		Residential	Bedroom	W7	Existing Proposed	33.64 17.20	0.51	NO	326°N			
32nd	R1		Residential	Bedroom	W8	Existing Proposed	33.65 15.90	0.47	NO	326°N			
32nd	R2		Residential	Bedroom	W9	Existing Proposed	33.65 13.88	0.41	NO	326°N			
32nd	R2		Residential	Bedroom	W10	Existing Proposed	33.60 13.19	0.39	NO	326°N			
32nd	R2		Residential	Bedroom	W11	Existing Proposed	33.75 13.13	0.39	NO	326°N			
32nd	R2		Residential	Bedroom	W12	Existing Proposed	33.64 12.86	0.38	NO	326°N			
32nd	R3		Residential	Bedroom	W13	Existing Proposed	33.60 11.68	0.35	NO	326°N			
32nd	R3		Residential	Bedroom	W14	Existing Proposed	33.75 11.69	0.35	NO	326°N			
32nd	R3		Residential	Bedroom	W15	Existing Proposed	33.64 11.39	0.34	NO	326°N			
32nd	R4		Residential	Bedroom	W16	Existing Proposed	33.75 11.08	0.33	NO	326°N	33.66 11.59	0.34	NO

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Floor Ref.	Room Ref.	Room Attribute	Property Type	Room Use	Window Ref.	Window Attribute	VSC	Pr/Ex	Meets BRE Criteria	Window Orientation	Room VSC	Pr/Ex	Meets BRE Criteria
32nd	R4		Residential	Bedroom	W17	Existing	33.79	0.32	NO	326°N	33.74 10.78	0.32	NO
32nd	R4		Residential	Bedroom	W18	Proposed	10.88	0.30	NO	326°N			
						Existing	33.65						
						Proposed	10.20						
32nd	R5		Residential	Bedroom	W19	Existing	33.59	0.30	NO	326°N	33.64 9.92	0.29	NO
32nd	R5		Residential	Bedroom	W20	Proposed	9.92	0.30	NO	326°N			
						Existing	33.73						
						Proposed	10.01						
32nd	R5		Residential	Bedroom	W21	Existing	33.61	0.29	NO	326°N	33.64 9.92	0.29	NO
						Proposed	9.84						



Daylight Waldram
Diagrams

REV	DATE	DESCRIPTION	DB	CB

KEY

Surrounding Buildings

Existing Stocktons Buildings

Proposed Stocktons Development

Neighbouring Consented Schemes

Emerging Context, SRF Massing

Emerging Context, CRP Phase 2

Oxygen Towers - Mirror Massing

SOURCES OF INFORMATION

Existing Stocktons Building

Proposed Stocktons Development

Contextual 3D Model

Oxygen Towers

Neighbouring Consented Buildings

Emerging Context

TITLE

Oxygen Towers
Existing vs Proposed (+EC SRF update)

PROJECT

Stocktons, Manchester

CLIENT

Urbanbubble Limited

DRAWN BY

DW

CHECKED BY

DW

DATE

08/01/2026

SCALE @ A3

NTS

PROJECT NUMBER

EKA251011

DRAWING NUMBER

WD01.1

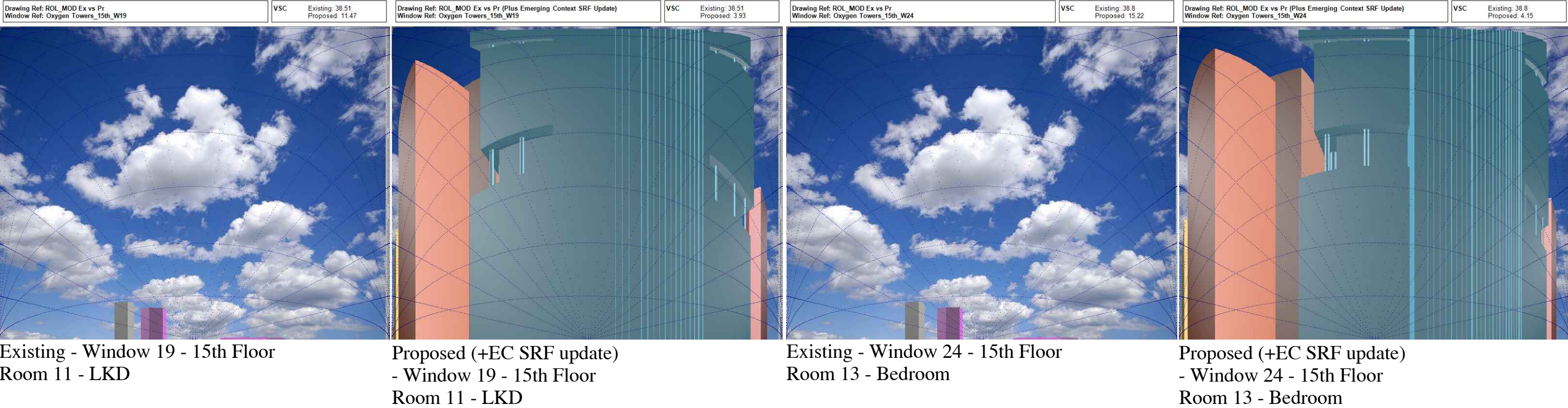
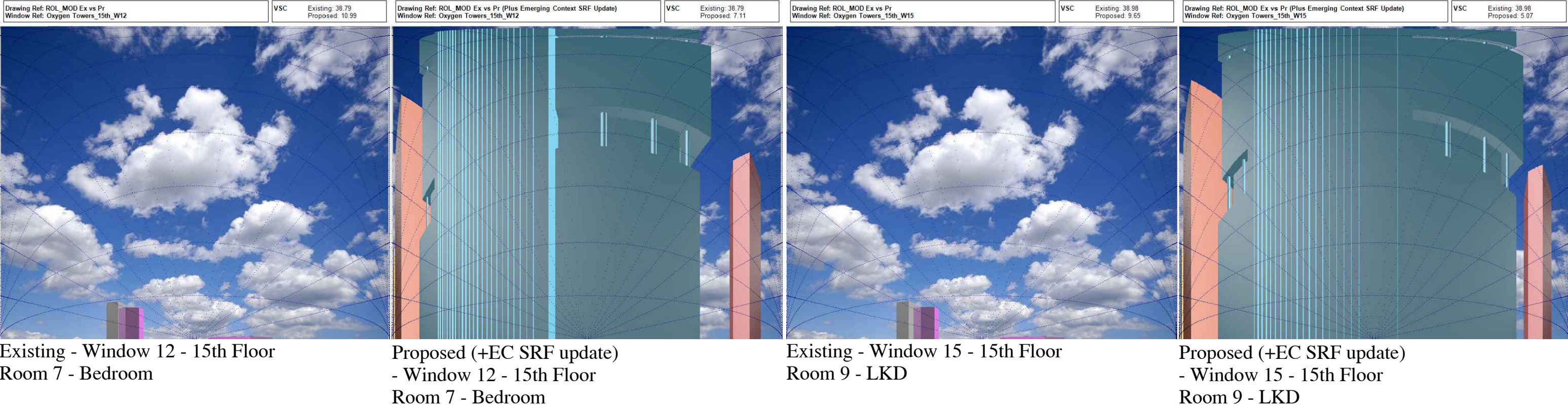
REV

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SITE PLAN

akt.

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Daylight Waldram
Diagrams

REV	DATE	DESCRIPTION	DB	CB

KEY

Surrounding Buildings

Existing Stocktons Buildings

Proposed Stocktons Development

Neighbouring Consented Schemes

Emerging Context, SRF Massing

Emerging Context, CRP Phase 2

Oxygen Towers - Mirror Massing

SOURCES OF INFORMATION

Existing Stocktons Building

AccuCities digital 3D AutoCAD model.

Proposed Stocktons Development

3D model produced by Akt. Rights of Light Surveyors Ltd using Simpsonhaugh planning application drawings.

Contextual 3D Model

AccuCities digital 3D AutoCAD model.

Oxygen Towers

3D models by Akt. Rights of Light Surveyors Ltd using 5plus Architects planning consented drawings.

Neighbouring Consented Buildings

AccuCities digital 3D AutoCAD model.

Emerging Context

3D model produced by Akt. Rights of Light Surveyors Ltd using Simpsonhaugh DAS planning application drawings.

TITLE

Oxygen Towers

Existing vs Proposed (+EC SRF update)

PROJECT

Stocktons, Manchester

CLIENT

Urbanbubble Limited

DRAWN BY

DW

CHECKED BY

DW

DATE

08/01/2026

SCALE @ A3

NTS

PROJECT NUMBER

EKA251011

DRAWING NUMBER

WD01.2

REV

H

SITE PLAN

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Drawing Ref: ROL_MOD Ex vs Pr
Window Ref: Oxygen Towers_25th_W12

VSC
Existing: 39.1
Proposed: 10.78

Drawing Ref: ROL_MOD Ex vs Pr (Plus Emerging Context SRF Update)
Window Ref: Oxygen Towers_25th_W12

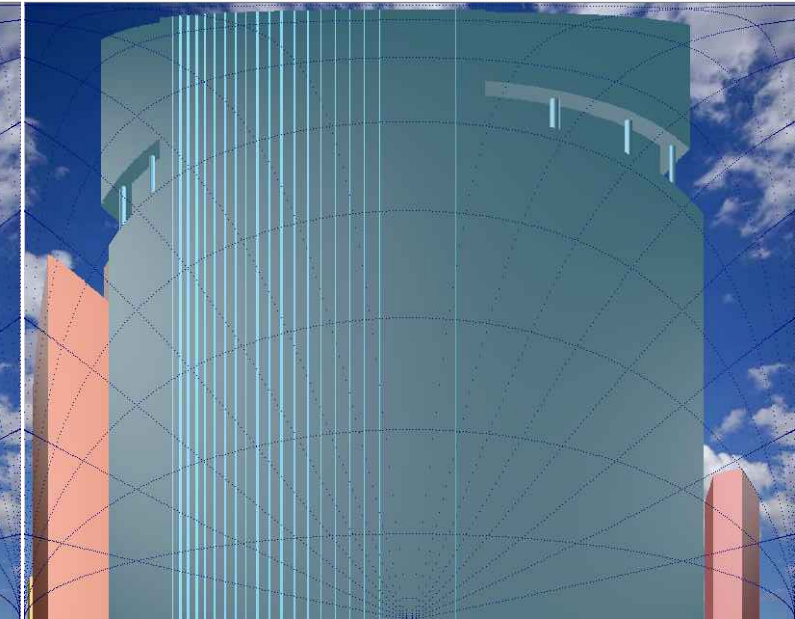
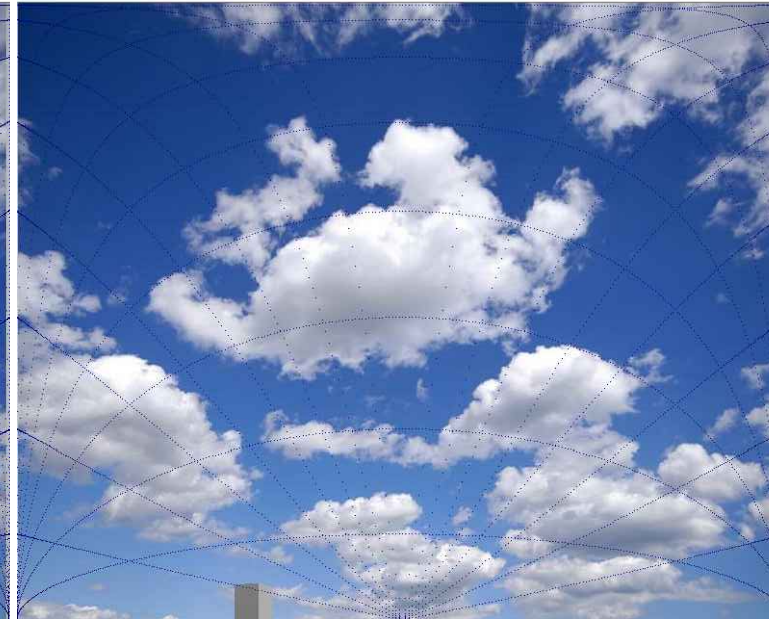
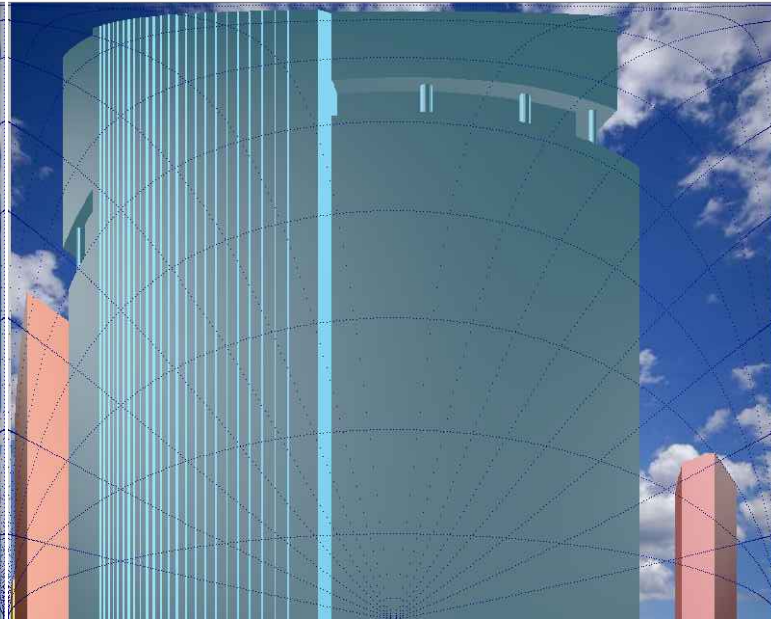
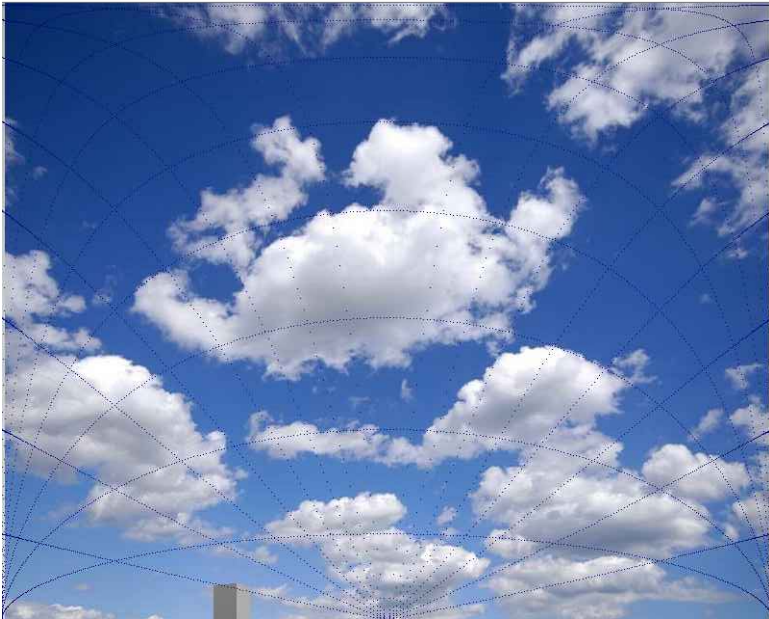
VSC
Existing: 39.1
Proposed: 8.59

Drawing Ref: ROL_MOD Ex vs Pr
Window Ref: Oxygen Towers_25th_W15

VSC
Existing: 39.35
Proposed: 9.73

Drawing Ref: ROL_MOD Ex vs Pr (Plus Emerging Context SRF Update)
Window Ref: Oxygen Towers_25th_W15

VSC
Existing: 39.35
Proposed: 6.92



Existing - Window 12 - 25th Floor
Room 7 - Bedroom

Proposed (+EC SRF update)
- Window 12 - 25th Floor
Room 7 - Bedroom

Existing - Window 15 - 25th Floor
Room 9 - LKD

Proposed (+EC SRF update)
- Window 15 - 25th Floor
Room 9 - LKD

Drawing Ref: ROL_MOD Ex vs Pr
Window Ref: Oxygen Towers_20th_W12

VSC
Existing: 39.01
Proposed: 10.94

Drawing Ref: ROL_MOD Ex vs Pr (Plus Emerging Context SRF Update)
Window Ref: Oxygen Towers_20th_W12

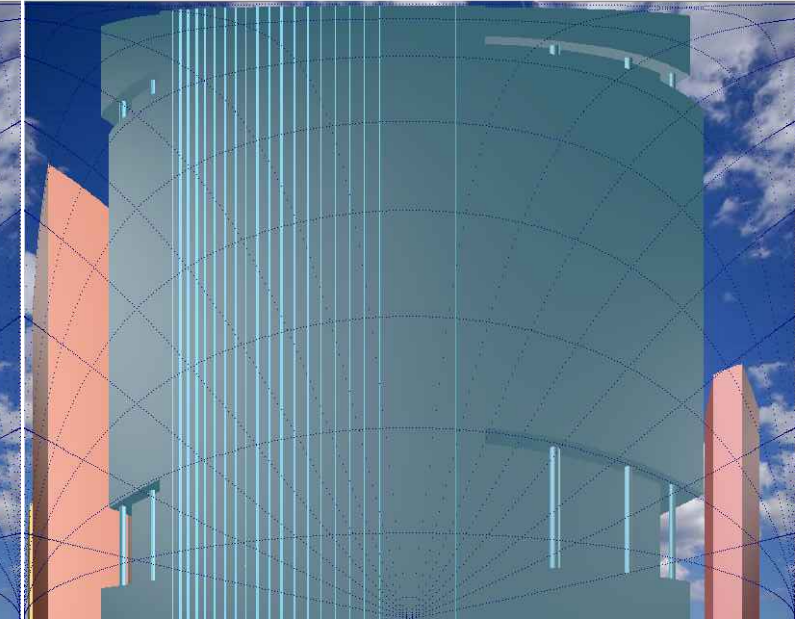
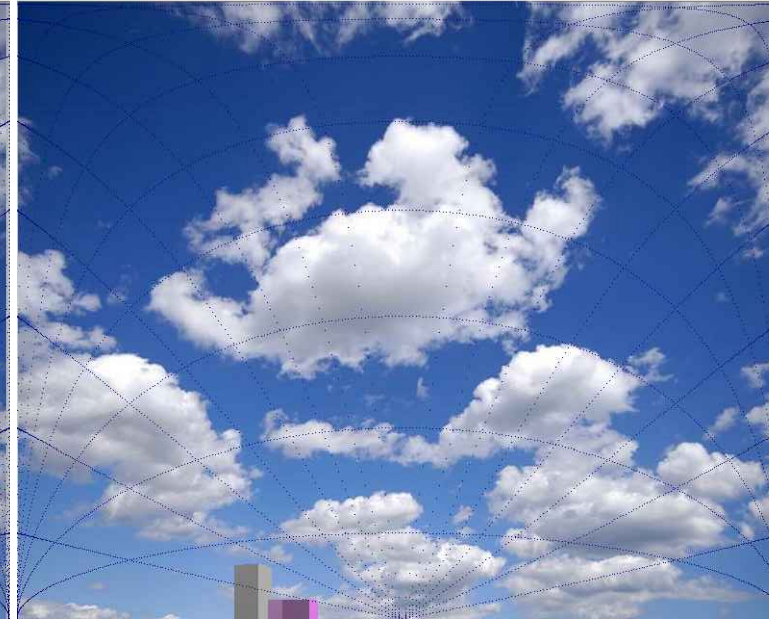
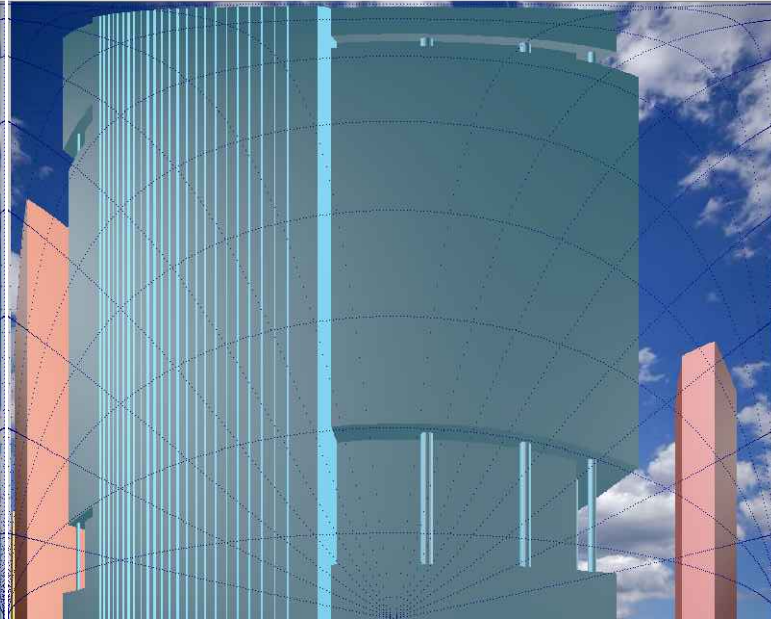
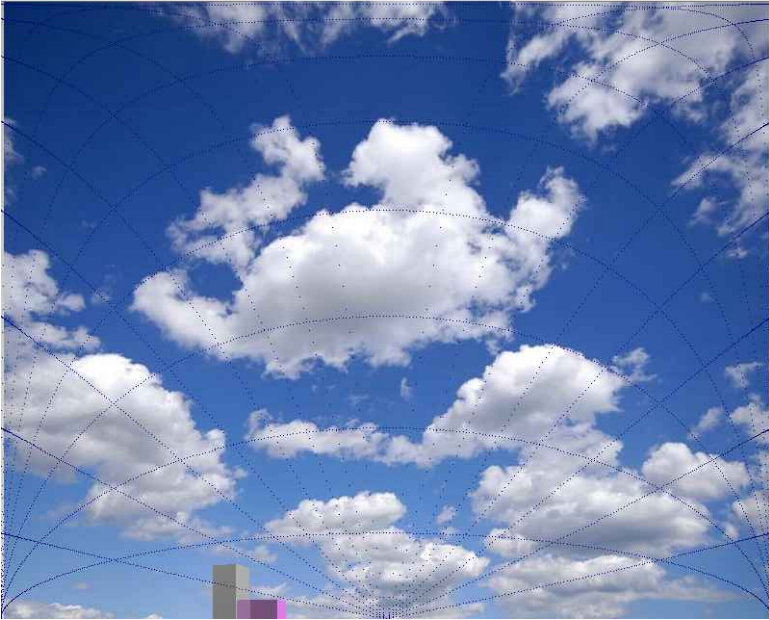
VSC
Existing: 39.01
Proposed: 7.74

Drawing Ref: ROL_MOD Ex vs Pr
Window Ref: Oxygen Towers_20th_W15

VSC
Existing: 39.24
Proposed: 9.79

Drawing Ref: ROL_MOD Ex vs Pr (Plus Emerging Context SRF Update)
Window Ref: Oxygen Towers_20th_W15

VSC
Existing: 39.24
Proposed: 5.87



Existing - Window 12 - 20th Floor
Room 7 - Bedroom

Proposed (+EC SRF update)
- Window 12 - 20th Floor
Room 7 - Bedroom

Existing - Window 15 - 20th Floor
Room 9 - LKD

Proposed (+EC SRF update)
- Window 15 - 20th Floor
Room 9 - LKD

Daylight Waldram
Diagrams

REV	DATE	DESCRIPTION	DB	CB
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Akt. Rights to Light Surveyors Limited

Add: 26 Store Street, London WC1E 7BT

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www.rightstolightsurveyor-london.com

KEY

Surrounding Buildings

Existing Stocktons Buildings

Proposed Stocktons Development

Neighbouring Consented Schemes

Emerging Context, SRF Massing

Emerging Context, CRP Phase 2

Oxygen Towers - Mirror Massing



SOURCES OF INFORMATION

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3D model produced by Akt. Rights of Light Surveyors Ltd using Simpsonhaugh DAS planning application drawings.

TITLE

Oxygen Towers

Existing vs Proposed (+EC SRF update)

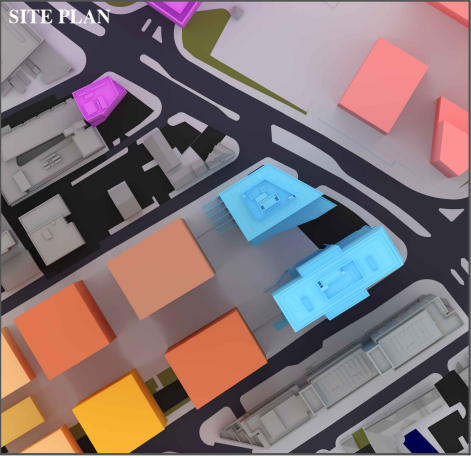
PROJECT

Stocktons, Manchester

CLIENT

Urbanbubble Limited

DRAWN BY	CHECKED BY	DATE
DW	DW	08/01/2026
SCALE @ A3 NTS	PROJECT NUMBER	
	EKA251011	
DRAWING NUMBER	REV	
WD01.3	H	



Project Name: Oxygen Towers, Store Street, Manchester M1 2FU
 Project No.: EKA251101
 Report Title: Daylight Distribution Analysis - Existing vs Proposed (Plus Emerging Context and East Village SRF Update)
 Date of Analysis: 08/01/2026

Floor Ref.	Room Ref	Room Attribute	Property Type	Room Use		Room Area	Lit Area Existing	Lit Area Proposed	Pr/Ex	Meets BRE Criteria	
Oxygen Towers											
00 GF	R1		Residential	Lobby	Area m2 % of room	265.59	123.34 46.44%	60.44 22.76%	0.49	NO	
	R2		Residential	Office	Area m2 % of room	45.41	23.99 52.82%	0.13 0.29%	0.01	NO	
01st	R1		Residential	Bedroom	Area m2 % of room	16.92	16.17 95.56%	3.12 18.46%	0.19	NO	
	R2		Residential	Bedroom	Area m2 % of room	13.51	12.10 89.61%	1.05 7.77%	0.09	NO	
	R3		Residential	LKD	Area m2 % of room	34.29	27.12 79.08%	3.16 9.20%	0.12	NO	
	R4		Residential	Bedroom	Area m2 % of room	12.00	10.92 91.00%	4.95 41.28%	0.45	NO	
	R5		Residential	LKD	Area m2 % of room	25.31	15.57 61.53%	16.45 65.01%	1.06	YES	
	R6		Residential	Bedroom	Area m2 % of room	12.61	11.04 87.60%	4.20 33.30%	0.38	NO	
	R7		Residential	LKD	Area m2 % of room	28.54	16.58 58.12%	2.26 7.92%	0.14	NO	
	R8		Residential	Bedroom	Area m2 % of room	12.61	11.85 93.97%	0.58 4.58%	0.05	NO	
	R9		Residential	LKD	Area m2 % of room	28.44	18.17 63.89%	1.46 5.12%	0.08	NO	
	R10		Residential	Bedroom	Area m2 % of room	12.68	11.42 90.03%	0.07 0.56%	0.01	NO	
	R11		Residential	LKD	Area m2 % of room	28.87	17.32 59.98%	0.42 1.47%	0.02	NO	
	R12		Residential	Bedroom	Area m2 % of room	12.42	12.32 99.19%	0.57 4.56%	0.05	NO	
	R13		Residential	Bedroom	Area m2 % of room	12.29	9.97 81.07%	0.21 1.71%	0.02	NO	
	02nd	R1		Residential	Bedroom	Area m2 % of room	16.08	15.40 95.77%	3.00 18.66%	0.19	NO
		R2		Residential	LKD	Area m2 % of room	26.38	24.49 92.84%	4.18 15.83%	0.17	NO
R3			Residential	Bedroom	Area m2 % of room	11.99	11.33 94.49%	2.17 18.10%	0.19	NO	
R4			Residential	LKD	Area m2 % of room	27.19	24.52 90.18%	4.72 17.37%	0.19	NO	
R5			Residential	Bedroom	Area m2 % of room	12.06	11.44 94.87%	0.93 7.74%	0.08	NO	
R6			Residential	LKD	Area m2 % of room	27.44	24.57 89.56%	2.19 7.99%	0.09	NO	
R7			Residential	LKD	Area m2 % of room	26.42	24.09 91.17%	1.46 5.54%	0.06	NO	
R8			Residential	Bedroom	Area m2 % of room	12.41	11.68 94.13%	0.23 1.87%	0.02	NO	
R9			Residential	LKD	Area m2 % of room	30.48	28.03 91.96%	5.76 18.89%	0.21	NO	
R10			Residential	Bedroom	Area m2 % of room	12.93	12.40 95.88%	0.17 1.34%	0.01	NO	
R11			Residential	Bedroom	Area m2 % of room	16.63	15.63 94.02%	0.18 1.10%	0.01	NO	
R12			Residential	Bedroom	Area m2 % of room	15.69	14.73 93.86%	0.20 1.30%	0.01	NO	
R13			Residential	LKD	Area m2 % of room	28.88	22.74 78.74%	4.48 15.50%	0.20	NO	
R14			Residential	Bedroom	Area m2 % of room	12.51	12.06 96.33%	3.85 30.80%	0.32	NO	
R15			Residential	Bedroom	Area m2	16.80	14.85	6.42	0.43	NO	

Project Name: Oxygen Towers, Store Street, Manchester M1 2FU
 Project No.: EKA251101
 Report Title: Daylight Distribution Analysis - Existing vs Proposed (Plus Emerging Context and East Village SRF Update)
 Date of Analysis: 08/01/2026

Floor Ref.	Room Ref	Room Attribute	Property Type	Room Use		Room Area	Lit Area Existing	Lit Area Proposed	Pr/Ex	Meets BRE Criteria
	R16		Residential	Bedroom	% of room	13.02	88.39%	38.23%	0.42	NO
					Area m2	12.44	5.28			
	R17		Residential	LKD	% of room	30.19	95.49%	40.52%	0.48	NO
					Area m2	28.20	13.54			
	R18		Residential	Bedroom	% of room	11.98	93.41%	44.86%	0.45	NO
					Area m2	11.19	4.99			
	R19		Residential	LKD	% of room	25.31	93.41%	41.67%	0.78	NO
					Area m2	22.74	17.81			
	R20		Residential	Bedroom	% of room	12.61	89.84%	70.37%	0.36	NO
					Area m2	11.84	4.24			
	R21		Residential	LKD	% of room	28.44	93.94%	33.66%	0.09	NO
					Area m2	25.81	2.43			
	R22		Residential	Bedroom	% of room	12.61	90.75%	8.53%	0.05	NO
					Area m2	11.97	0.61			
	R23		Residential	LKD	% of room	28.64	94.94%	4.80%	0.06	NO
					Area m2	25.94	1.60			
	R24		Residential	Bedroom	% of room	12.61	90.59%	5.60%	0.01	NO
					Area m2	11.82	0.06			
	R25		Residential	LKD	% of room	30.80	93.73%	0.49%	0.02	NO
					Area m2	24.88	0.48			
					% of room	80.77%	1.55%			
03rd	R1		Residential	LKD	Area m2	26.21	26.21	25.94	0.99	YES
					% of room	100.00%	98.98%			
	R2		Residential	Bedroom	Area m2	8.58	8.48	7.63	0.90	YES
					% of room	98.80%	88.89%			
	R3		Residential	Bedroom	Area m2	10.65	10.59	7.10	0.67	NO
					% of room	99.52%	66.72%			
	R4		Residential	Bedroom	Area m2	12.31	12.23	7.87	0.64	NO
					% of room	99.30%	63.88%			
	R5		Residential	LKD	Area m2	37.19	36.61	19.05	0.52	NO
					% of room	98.43%	51.22%			
	R6		Residential	LKD	Area m2	35.00	34.46	14.30	0.42	NO
					% of room	98.45%	40.87%			
	R7		Residential	Bedroom	Area m2	13.49	13.37	2.77	0.21	NO
					% of room	99.06%	20.50%			
	R8		Residential	Bedroom	Area m2	14.45	14.38	0.87	0.06	NO
					% of room	99.53%	6.03%			
	R9		Residential	LKD	Area m2	36.08	34.91	5.07	0.15	NO
					% of room	96.74%	14.07%			
	R10		Residential	LKD	Area m2	35.70	35.24	18.54	0.53	NO
					% of room	98.73%	51.94%			
	R11		Residential	Bedroom	Area m2	12.60	12.51	11.09	0.89	YES
					% of room	99.30%	88.07%			
	R12		Residential	Bedroom	Area m2	13.63	13.57	11.48	0.85	YES
					% of room	99.56%	84.25%			
	R13		Residential	LKD	Area m2	36.33	35.65	34.95	0.98	YES
					% of room	98.15%	96.20%			
	R14		Residential	Bedroom	Area m2	8.07	8.06	7.99	0.99	YES
					% of room	99.91%	99.01%			
	R15		Residential	LKD	Area m2	18.47	17.65	14.36	0.81	YES
					% of room	95.56%	77.74%			
	R16		Residential	Bedroom	Area m2	11.70	11.68	10.39	0.89	YES
					% of room	99.84%	88.87%			
	R17		Residential	LKD	Area m2	17.76	17.73	4.21	0.24	NO
					% of room	99.85%	23.73%			
	R18		Residential	Bedroom	Area m2	11.59	11.58	3.31	0.29	NO
					% of room	99.88%	28.58%			
	R19		Residential	Bedroom	Area m2	8.94	8.91	2.64	0.30	NO
					% of room	99.69%	29.52%			
	R20		Residential	LKD	Area m2	24.38	24.38	21.60	0.89	YES
					% of room	100.00%	88.62%			
04th	R1		Residential	LKD	Area m2	25.35	25.33	24.99	0.99	YES

Project Name: Oxygen Towers, Store Street, Manchester M1 2FU
 Project No.: EKA251101
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Floor Ref.	Room Ref	Room Attribute	Property Type	Room Use		Room Area	Lit Area Existing	Lit Area Proposed	Pr/Ex	Meets BRE Criteria
	R2		Residential	Bedroom	% of room	12.54	99.92%	98.59%	0.58	NO
					Area m2	12.54	11.95	6.96		
	R3		Residential	Bedroom	% of room	12.66	95.32%	55.48%	0.55	NO
					Area m2	12.66	11.52	6.35		
	R4		Residential	LKD	% of room	22.76	91.03%	50.19%	0.32	NO
					Area m2	22.76	21.73	7.06		
	R5		Residential	Bedroom	% of room	12.35	95.45%	31.00%	0.33	NO
					Area m2	12.35	11.41	3.82		
	R6		Residential	LKD	% of room	27.63	92.39%	30.91%	0.21	NO
					Area m2	27.63	26.61	5.59		
	R7		Residential	Bedroom	% of room	10.71	96.31%	20.21%	0.24	NO
					Area m2	10.71	9.53	2.30		
	R8		Residential	Bedroom	% of room	10.62	88.91%	21.46%	0.04	NO
					Area m2	10.62	9.49	0.39		
	R9		Residential	LKD	% of room	27.30	89.35%	3.68%	0.15	NO
					Area m2	27.30	26.41	3.86		
	R10		Residential	Bedroom	% of room	11.03	96.73%	14.14%	0.21	NO
					Area m2	11.03	10.82	2.28		
	R11		Residential	LKD	% of room	27.89	98.13%	20.63%	0.20	NO
					Area m2	27.89	27.70	5.53		
	R12		Residential	Bedroom	% of room	10.24	99.35%	19.85%	0.04	NO
					Area m2	10.24	9.45	0.38		
	R13		Residential	Bedroom	% of room	13.82	92.29%	3.70%	0.03	NO
					Area m2	13.82	12.91	0.43		
	R14		Residential	Bedroom	% of room	12.99	93.41%	3.08%	0.04	NO
					Area m2	12.99	11.85	0.44		
	R15		Residential	LKD	% of room	26.98	91.20%	3.37%	0.50	NO
					Area m2	26.98	26.29	13.10		
	R16		Residential	Bedroom	% of room	10.27	97.44%	48.55%	0.37	NO
					Area m2	10.27	9.39	3.45		
	R17		Residential	Bedroom	% of room	13.82	91.42%	33.54%	0.43	NO
					Area m2	13.82	12.69	5.45		
	R18		Residential	Bedroom	% of room	10.25	91.78%	39.42%	0.49	NO
					Area m2	10.25	9.58	4.65		
	R19		Residential	LKD	% of room	28.08	93.43%	45.34%	0.79	NO
					Area m2	28.08	27.90	22.07		
	R20		Residential	Bedroom	% of room	10.79	99.36%	78.59%	0.60	NO
					Area m2	10.79	10.49	6.33		
	R21		Residential	LKD	% of room	26.37	97.22%	58.63%	0.70	NO
					Area m2	26.37	25.61	17.89		
	R22		Residential	Bedroom	% of room	11.17	97.12%	67.83%	0.55	NO
					Area m2	11.17	11.07	6.14		
	R23		Residential	Bedroom	% of room	10.80	99.12%	54.97%	0.09	NO
					Area m2	10.80	9.70	0.86		
	R24		Residential	LKD	% of room	27.48	89.80%	7.92%	0.12	NO
					Area m2	27.48	26.55	3.13		
	R25		Residential	Bedroom	% of room	13.14	96.64%	11.41%	0.10	NO
					Area m2	13.14	13.03	1.34		
	R26		Residential	Bedroom	% of room	12.28	99.18%	10.21%	0.03	NO
					Area m2	12.28	11.25	0.28		
	R27		Residential	Bedroom	% of room	10.24	91.65%	2.30%	0.03	NO
					Area m2	10.24	9.49	0.28		
	R28		Residential	LKD	% of room	32.38	92.66%	2.74%	0.94	YES
					Area m2	32.38	29.22	27.42		
					% of room		90.22%	84.66%		
05th	R1		Residential	LKD	Area m2	25.35	25.33	25.07	0.99	YES
					% of room		99.92%	98.89%		
	R2		Residential	Bedroom	Area m2	12.54	11.96	7.19	0.60	NO
					% of room		95.34%	57.37%		
	R3		Residential	Bedroom	Area m2	12.66	11.52	6.85	0.59	NO
					% of room		91.03%	54.14%		
	R4		Residential	LKD	Area m2	22.76	21.73	7.66	0.35	NO

Project Name: Oxygen Towers, Store Street, Manchester M1 2FU
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Floor Ref.	Room Ref	Room Attribute	Property Type	Room Use		Room Area	Lit Area Existing	Lit Area Proposed	Pr/Ex	Meets BRE Criteria
	R5		Residential	Bedroom	% of room	12.35	95.47%	33.64%	0.37	NO
					Area m2		11.41	4.21		
	R6		Residential	LKD	% of room	27.63	92.39%	34.12%	0.23	NO
					Area m2		26.62	6.02		
	R7		Residential	Bedroom	% of room	10.71	96.34%	21.80%	0.29	NO
					Area m2		9.53	2.74		
	R8		Residential	Bedroom	% of room	10.62	88.92%	25.61%	0.04	NO
					Area m2		9.52	0.40		
	R9		Residential	LKD	% of room	27.30	89.66%	3.76%	0.16	NO
					Area m2		26.41	4.28		
	R10		Residential	Bedroom	% of room	11.03	96.73%	15.69%	0.21	NO
					Area m2		10.81	2.31		
	R11		Residential	LKD	% of room	27.89	98.04%	20.96%	0.20	NO
					Area m2		27.70	5.57		
	R12		Residential	Bedroom	% of room	10.24	99.35%	19.99%	0.04	NO
					Area m2		9.45	0.38		
	R13		Residential	Bedroom	% of room	13.82	92.29%	3.75%	0.03	NO
					Area m2		12.92	0.43		
	R14		Residential	Bedroom	% of room	12.99	93.44%	3.15%	0.04	NO
					Area m2		11.85	0.45		
	R15		Residential	LKD	% of room	26.98	91.21%	3.44%	0.52	NO
					Area m2		26.29	13.64		
	R16		Residential	Bedroom	% of room	10.27	97.45%	50.58%	0.37	NO
					Area m2		9.39	3.43		
	R17		Residential	Bedroom	% of room	13.82	91.41%	33.41%	0.44	NO
					Area m2		12.69	5.57		
	R18		Residential	Bedroom	% of room	10.25	91.80%	40.27%	0.49	NO
					Area m2		9.58	4.67		
	R19		Residential	LKD	% of room	28.08	93.43%	45.59%	0.80	YES
					Area m2		27.90	22.24		
	R20		Residential	Bedroom	% of room	10.79	99.37%	79.21%	0.61	NO
					Area m2		10.55	6.46		
	R21		Residential	LKD	% of room	26.37	97.72%	59.81%	0.70	NO
					Area m2		25.62	18.01		
	R22		Residential	Bedroom	% of room	11.17	97.15%	68.28%	0.56	NO
					Area m2		11.02	6.16		
	R23		Residential	Bedroom	% of room	10.80	98.62%	55.13%	0.09	NO
					Area m2		9.70	0.88		
	R24		Residential	LKD	% of room	27.48	89.81%	8.18%	0.12	NO
					Area m2		26.56	3.29		
	R25		Residential	Bedroom	% of room	13.14	96.65%	11.98%	0.10	NO
					Area m2		13.03	1.37		
	R26		Residential	Bedroom	% of room	12.28	99.19%	10.41%	0.03	NO
					Area m2		11.25	0.29		
	R27		Residential	Bedroom	% of room	10.24	91.65%	2.34%	0.03	NO
					Area m2		9.49	0.29		
	R28		Residential	LKD	% of room	32.38	92.67%	2.82%	0.96	YES
					Area m2		29.22	28.09		
					% of room		90.24%	86.74%		
06th	R1		Residential	LKD	Area m2	25.35	25.33	25.10	0.99	YES
					% of room		99.92%	99.03%		
	R2		Residential	Bedroom	Area m2	12.54	11.96	7.56	0.63	NO
					% of room		95.35%	60.31%		
	R3		Residential	Bedroom	Area m2	12.66	11.52	7.53	0.65	NO
					% of room		91.04%	59.45%		
	R4		Residential	LKD	Area m2	22.76	21.73	8.58	0.40	NO
					% of room		95.47%	37.72%		
	R5		Residential	Bedroom	Area m2	12.35	11.41	4.84	0.42	NO
					% of room		92.39%	39.20%		
	R6		Residential	LKD	Area m2	27.63	26.63	6.81	0.26	NO
					% of room		96.36%	24.64%		
	R7		Residential	Bedroom	Area m2	10.71	9.54	3.44	0.36	NO

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	R8		Residential	Bedroom	% of room	10.62	89.09%	32.11%	0.04	NO
					Area m2		9.52	0.40		
	R9		Residential	LKD	% of room	27.30	89.67%	3.81%	0.17	NO
					Area m2		26.41	4.54		
	R10		Residential	Bedroom	% of room	11.03	96.73%	16.62%	0.22	NO
					Area m2		10.81	2.36		
	R11		Residential	LKD	% of room	27.89	98.05%	21.41%	0.20	NO
					Area m2		27.70	5.61		
	R12		Residential	Bedroom	% of room	10.24	99.35%	20.10%	0.04	NO
					Area m2		9.45	0.39		
	R13		Residential	Bedroom	% of room	13.82	92.30%	3.78%	0.03	NO
					Area m2		12.91	0.44		
	R14		Residential	Bedroom	% of room	12.99	93.41%	3.20%	0.04	NO
					Area m2		11.85	0.47		
	R15		Residential	LKD	% of room	26.98	91.22%	3.64%	0.54	NO
					Area m2		26.29	14.13		
	R16		Residential	Bedroom	% of room	10.27	97.45%	52.36%	0.36	NO
					Area m2		9.39	3.35		
	R17		Residential	Bedroom	% of room	13.82	91.41%	32.57%	0.45	NO
					Area m2		12.69	5.73		
	R18		Residential	Bedroom	% of room	10.25	91.80%	41.45%	0.49	NO
					Area m2		9.58	4.68		
	R19		Residential	LKD	% of room	28.08	93.42%	45.69%	0.80	YES
					Area m2		27.92	22.39		
	R20		Residential	Bedroom	% of room	10.79	99.45%	79.76%	0.61	NO
					Area m2		10.55	6.48		
	R21		Residential	LKD	% of room	26.37	97.73%	60.06%	0.71	NO
					Area m2		25.63	18.08		
	R22		Residential	Bedroom	% of room	11.17	97.17%	68.54%	0.56	NO
					Area m2		11.04	6.19		
	R23		Residential	Bedroom	% of room	10.80	98.79%	55.37%	0.09	NO
					Area m2		9.70	0.89		
	R24		Residential	LKD	% of room	27.48	89.82%	8.26%	0.13	NO
					Area m2		26.56	3.47		
	R25		Residential	Bedroom	% of room	13.14	96.65%	12.63%	0.11	NO
					Area m2		13.02	1.41		
	R26		Residential	Bedroom	% of room	12.28	99.06%	10.76%	0.03	NO
					Area m2		11.25	0.29		
	R27		Residential	Bedroom	% of room	10.24	91.65%	2.37%	0.03	NO
					Area m2		9.49	0.30		
	R28		Residential	LKD	% of room	32.38	92.66%	2.90%	0.98	YES
					Area m2		29.22	28.55		
					% of room		90.24%	88.17%		
07th	R1		Residential	LKD	Area m2	25.35	25.33	25.20	0.99	YES
					% of room		99.92%	99.40%		
	R2		Residential	Bedroom	Area m2	12.54	11.97	8.30	0.69	NO
					% of room		95.44%	66.21%		
	R3		Residential	Bedroom	Area m2	12.66	11.52	8.58	0.74	NO
					% of room		91.02%	67.81%		
	R4		Residential	LKD	Area m2	22.76	21.73	10.54	0.48	NO
					% of room		95.46%	46.29%		
	R5		Residential	Bedroom	Area m2	12.35	11.40	5.27	0.46	NO
					% of room		92.38%	42.72%		
	R6		Residential	LKD	Area m2	27.63	26.63	8.27	0.31	NO
					% of room		96.38%	29.93%		
	R7		Residential	Bedroom	Area m2	10.71	9.54	3.70	0.39	NO
					% of room		89.09%	34.56%		
	R8		Residential	Bedroom	Area m2	10.62	9.52	0.41	0.04	NO
					% of room		89.68%	3.82%		
	R9		Residential	LKD	Area m2	27.30	26.41	4.57	0.17	NO
					% of room		96.74%	16.75%		
	R10		Residential	Bedroom	Area m2	11.03	10.81	2.39	0.22	NO

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	R11		Residential	LKD % of room	27.89	98.05%	21.68%	0.20	NO
	R12		Residential	Bedroom Area m2 % of room	10.24	27.70 9.45 99.35%	5.60 0.39 20.09%	0.04	NO
	R13		Residential	Bedroom Area m2 % of room	13.82	12.93 92.30%	0.47 3.81%	0.04	NO
	R14		Residential	Bedroom Area m2 % of room	12.99	11.85 93.50%	0.52 3.40%	0.04	NO
	R15		Residential	LKD Area m2 % of room	26.98	26.29 97.46%	14.73 54.58%	0.56	NO
	R16		Residential	Bedroom Area m2 % of room	10.27	9.39 91.41%	3.37 32.83%	0.36	NO
	R17		Residential	Bedroom Area m2 % of room	13.82	12.70 91.85%	5.86 42.43%	0.46	NO
	R18		Residential	Bedroom Area m2 % of room	10.25	9.58 93.43%	4.69 45.75%	0.49	NO
	R19		Residential	LKD Area m2 % of room	28.08	27.95 99.53%	22.54 80.28%	0.81	YES
	R20		Residential	Bedroom Area m2 % of room	10.79	10.55 97.73%	6.50 60.23%	0.62	NO
	R21		Residential	LKD Area m2 % of room	26.37	25.63 97.18%	18.14 68.78%	0.71	NO
	R22		Residential	Bedroom Area m2 % of room	11.17	11.04 98.79%	6.22 55.64%	0.56	NO
	R23		Residential	Bedroom Area m2 % of room	10.80	9.70 89.82%	0.90 8.31%	0.09	NO
	R24		Residential	LKD Area m2 % of room	27.48	26.56 96.66%	3.66 13.34%	0.14	NO
	R25		Residential	Bedroom Area m2 % of room	13.14	13.00 98.95%	1.47 11.16%	0.11	NO
	R26		Residential	Bedroom Area m2 % of room	12.28	11.25 91.65%	0.30 2.41%	0.03	NO
	R27		Residential	Bedroom Area m2 % of room	10.24	9.49 92.66%	0.30 2.95%	0.03	NO
	R28		Residential	LKD Area m2 % of room	32.38	29.22 90.24%	28.57 88.21%	0.98	YES
08th	R1		Residential	LKD Area m2 % of room	25.35	25.33 99.92%	25.33 99.92%	1.00	YES
	R2		Residential	Bedroom Area m2 % of room	12.54	11.96 95.37%	8.46 67.50%	0.71	NO
	R3		Residential	Bedroom Area m2 % of room	12.66	11.52 91.02%	8.82 69.71%	0.77	NO
	R4		Residential	LKD Area m2 % of room	22.76	21.73 95.46%	12.75 56.03%	0.59	NO
	R5		Residential	Bedroom Area m2 % of room	12.35	11.40 92.38%	5.30 42.92%	0.46	NO
	R6		Residential	LKD Area m2 % of room	27.63	26.63 96.38%	8.42 30.47%	0.32	NO
	R7		Residential	Bedroom Area m2 % of room	10.71	9.53 88.92%	3.38 31.55%	0.35	NO
	R8		Residential	Bedroom Area m2 % of room	10.62	9.49 89.38%	0.34 3.20%	0.04	NO
	R9		Residential	LKD Area m2 % of room	27.30	26.41 96.74%	4.46 16.35%	0.17	NO
	R10		Residential	Bedroom Area m2 % of room	11.03	10.82 98.07%	2.42 21.93%	0.22	NO
	R11		Residential	LKD Area m2 % of room	27.89	27.71 99.36%	5.53 19.83%	0.20	NO
	R12		Residential	Bedroom Area m2 % of room	10.24	9.45 92.31%	0.43 4.18%	0.05	NO
	R13		Residential	Bedroom Area m2	13.82	12.92	0.45	0.04	NO

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	R14		Residential	Bedroom	% of room	12.99	93.49%	3.28%	0.05	NO
					Area m2	12.99	11.85	0.56		
	R15		Residential	LKD	% of room	26.98	91.22%	4.30%	0.56	NO
					Area m2	26.98	26.29	14.72		
	R16		Residential	Bedroom	% of room	10.27	97.46%	54.55%	0.38	NO
					Area m2	10.27	9.39	3.57		
	R17		Residential	Bedroom	% of room	13.82	91.41%	34.70%	0.47	NO
					Area m2	13.82	12.70	5.99		
	R18		Residential	Bedroom	% of room	10.25	91.88%	43.34%	0.49	NO
					Area m2	10.25	9.58	4.69		
	R19		Residential	LKD	% of room	28.08	93.42%	45.79%	0.81	YES
					Area m2	28.08	27.95	22.70		
	R20		Residential	Bedroom	% of room	10.79	99.54%	80.86%	0.62	NO
					Area m2	10.79	10.55	6.53		
	R21		Residential	LKD	% of room	26.37	97.73%	60.46%	0.71	NO
					Area m2	26.37	25.63	18.23		
	R22		Residential	Bedroom	% of room	11.17	97.19%	69.10%	0.57	NO
					Area m2	11.17	11.02	6.25		
	R23		Residential	Bedroom	% of room	10.80	98.63%	55.97%	0.09	NO
					Area m2	10.80	9.70	0.90		
	R24		Residential	LKD	% of room	27.48	89.82%	8.33%	0.15	NO
					Area m2	27.48	26.56	3.90		
	R25		Residential	Bedroom	% of room	13.14	96.66%	14.20%	0.12	NO
					Area m2	13.14	13.04	1.53		
	R26		Residential	Bedroom	% of room	12.28	99.23%	11.68%	0.03	NO
					Area m2	12.28	11.25	0.30		
	R27		Residential	Bedroom	% of room	10.24	91.65%	2.47%	0.04	NO
					Area m2	10.24	9.49	0.37		
	R28		Residential	LKD	% of room	32.38	92.67%	3.62%	0.98	YES
					Area m2	32.38	29.33	28.68		
					% of room		90.57%	88.56%		
09th	R1		Residential	LKD	Area m2	25.35	25.33	25.33	1.00	YES
					% of room		99.92%	99.92%		
	R2		Residential	Bedroom	Area m2	12.54	11.98	8.49	0.71	NO
					% of room		95.51%	67.66%		
	R3		Residential	Bedroom	Area m2	12.66	11.52	8.77	0.76	NO
					% of room		91.02%	69.30%		
	R4		Residential	LKD	Area m2	22.76	21.73	12.69	0.58	NO
					% of room		95.47%	55.77%		
	R5		Residential	Bedroom	Area m2	12.35	11.41	5.08	0.45	NO
					% of room		92.39%	41.18%		
	R6		Residential	LKD	Area m2	27.63	26.64	7.80	0.29	NO
					% of room		96.39%	28.23%		
	R7		Residential	Bedroom	Area m2	10.71	9.52	2.98	0.31	NO
					% of room		88.89%	27.86%		
	R8		Residential	Bedroom	Area m2	10.62	9.53	0.33	0.03	NO
					% of room		89.69%	3.13%		
	R9		Residential	LKD	Area m2	27.30	26.41	4.14	0.16	NO
					% of room		96.74%	15.15%		
	R10		Residential	Bedroom	Area m2	11.03	10.82	2.43	0.22	NO
					% of room		98.10%	22.02%		
	R11		Residential	LKD	Area m2	27.89	27.70	5.56	0.20	NO
					% of room		99.35%	19.94%		
	R12		Residential	Bedroom	Area m2	10.24	9.45	0.46	0.05	NO
					% of room		92.31%	4.47%		
	R13		Residential	Bedroom	Area m2	13.82	12.93	0.47	0.04	NO
					% of room		93.51%	3.37%		
	R14		Residential	Bedroom	Area m2	12.99	11.85	0.58	0.05	NO
					% of room		91.22%	4.46%		
	R15		Residential	LKD	Area m2	26.98	26.29	8.58	0.33	NO
					% of room		97.46%	31.81%		
	R16		Residential	Bedroom	Area m2	10.27	9.39	3.52	0.37	NO

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	R17		Residential	Bedroom	% of room	13.82	91.41%	34.25%	0.48	NO
					Area m2		12.70	6.04		
	R18		Residential	Bedroom	% of room	10.25	91.86%	43.69%	0.49	NO
					Area m2		9.58	4.70		
	R19		Residential	LKD	% of room	28.08	93.43%	45.87%	0.82	YES
					Area m2		27.95	22.91		
	R20		Residential	Bedroom	% of room	10.79	99.54%	81.58%	0.62	NO
					Area m2		10.55	6.55		
	R21		Residential	LKD	% of room	26.37	97.75%	60.72%	0.71	NO
					Area m2		25.63	18.33		
	R22		Residential	Bedroom	% of room	11.17	97.20%	69.50%	0.57	NO
					Area m2		11.02	6.28		
	R23		Residential	Bedroom	% of room	10.80	98.63%	56.18%	0.09	NO
					Area m2		9.70	0.90		
	R24		Residential	LKD	% of room	27.48	89.83%	8.35%	0.16	NO
					Area m2		26.56	4.13		
	R25		Residential	Bedroom	% of room	13.14	96.67%	15.02%	0.12	NO
					Area m2		13.04	1.61		
	R26		Residential	Bedroom	% of room	12.28	99.24%	12.26%	0.03	NO
					Area m2		11.25	0.36		
	R27		Residential	Bedroom	% of room	10.24	91.65%	2.90%	0.04	NO
					Area m2		9.49	0.39		
	R28		Residential	LKD	% of room	32.38	92.69%	3.84%	0.98	YES
					Area m2		29.35	28.71		
					% of room		90.62%	88.65%		
10th	R1		Residential	LKD	Area m2	25.35	25.33	25.33	1.00	YES
					% of room		99.92%	99.92%		
	R2		Residential	Bedroom	Area m2	12.54	11.96	8.53	0.71	NO
					% of room		95.37%	68.01%		
	R3		Residential	Bedroom	Area m2	12.66	11.52	8.53	0.74	NO
					% of room		91.02%	67.42%		
	R4		Residential	LKD	Area m2	22.76	21.75	11.76	0.54	NO
					% of room		95.57%	51.66%		
	R5		Residential	Bedroom	Area m2	12.35	11.41	4.69	0.41	NO
					% of room		92.39%	38.00%		
	R6		Residential	LKD	Area m2	27.63	26.64	7.12	0.27	NO
					% of room		96.40%	25.78%		
	R7		Residential	Bedroom	Area m2	10.71	9.53	2.60	0.27	NO
					% of room		88.93%	24.29%		
	R8		Residential	Bedroom	Area m2	10.62	9.49	0.31	0.03	NO
					% of room		89.39%	2.88%		
	R9		Residential	LKD	Area m2	27.30	26.41	3.81	0.14	NO
					% of room		96.74%	13.97%		
	R10		Residential	Bedroom	Area m2	11.03	10.83	2.48	0.23	NO
					% of room		98.16%	22.46%		
	R11		Residential	LKD	Area m2	27.89	27.71	5.58	0.20	NO
					% of room		99.36%	20.01%		
	R12		Residential	Bedroom	Area m2	10.24	9.45	0.47	0.05	NO
					% of room		92.31%	4.57%		
	R13		Residential	Bedroom	Area m2	13.82	12.94	0.47	0.04	NO
					% of room		93.58%	3.41%		
	R14		Residential	Bedroom	Area m2	12.99	11.85	0.52	0.04	NO
					% of room		91.25%	4.03%		
	R15		Residential	LKD	Area m2	26.98	26.29	2.93	0.11	NO
					% of room		97.46%	10.85%		
	R16		Residential	Bedroom	Area m2	10.27	9.39	2.93	0.31	NO
					% of room		91.41%	28.47%		
	R17		Residential	Bedroom	Area m2	13.82	12.70	6.07	0.48	NO
					% of room		91.86%	43.90%		
	R18		Residential	Bedroom	Area m2	10.25	9.58	4.71	0.49	NO
					% of room		93.43%	45.94%		
	R19		Residential	LKD	Area m2	28.08	27.95	23.12	0.83	YES

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	R20		Residential	Bathroom	% of room	8.51	99.54%	82.34%	0.52	NO
				Area m2			6.95	3.65		
	R21		Residential	Study	% of room	12.59	81.67%	42.83%	0.58	NO
				Area m2			12.14	7.02		
	R22		Residential	En Suite	% of room	8.39	96.48%	55.79%	0.56	NO
				Area m2			8.00	4.49		
	R23		Residential	Bedroom	% of room	20.58	95.38%	53.47%	0.27	NO
				Area m2			18.28	4.89		
	R24		Residential	LKD	% of room	63.43	88.82%	23.79%	1.00	YES
				Area m2			63.43	63.23		
				% of room			100.00%	99.69%		
11th	R1		Residential	LKD	Area m2	25.35	25.33	25.33	1.00	YES
				% of room			99.92%	99.92%		
	R2		Residential	Bedroom	Area m2	12.54	11.97	8.53	0.71	NO
				% of room			95.43%	68.04%		
	R3		Residential	Bedroom	Area m2	12.66	11.52	8.24	0.72	NO
				% of room			91.03%	65.11%		
	R4		Residential	LKD	Area m2	22.76	21.79	11.18	0.51	NO
				% of room			95.75%	49.11%		
	R5		Residential	Bedroom	Area m2	12.35	11.40	4.73	0.41	NO
				% of room			92.38%	38.30%		
	R6		Residential	LKD	Area m2	27.63	26.63	7.18	0.27	NO
				% of room			96.38%	26.00%		
	R7		Residential	Bedroom	Area m2	10.71	9.52	2.62	0.28	NO
				% of room			88.89%	24.49%		
	R8		Residential	Bedroom	Area m2	10.62	9.54	0.31	0.03	NO
				% of room			89.82%	2.91%		
	R9		Residential	LKD	Area m2	27.30	26.43	3.82	0.14	NO
				% of room			96.80%	13.98%		
	R10		Residential	Bedroom	Area m2	11.03	10.85	2.53	0.23	NO
				% of room			98.34%	22.92%		
	R11		Residential	LKD	Area m2	27.89	27.71	5.61	0.20	NO
				% of room			99.36%	20.12%		
	R12		Residential	Bedroom	Area m2	10.24	9.45	0.47	0.05	NO
				% of room			92.24%	4.62%		
	R13		Residential	Bedroom	Area m2	13.82	12.94	0.47	0.04	NO
				% of room			93.57%	3.43%		
	R14		Residential	Bedroom	Area m2	12.99	11.85	0.54	0.05	NO
				% of room			91.25%	4.16%		
	R15		Residential	LKD	Area m2	26.98	26.29	2.98	0.11	NO
				% of room			97.45%	11.05%		
	R16		Residential	Bedroom	Area m2	10.27	9.40	2.63	0.28	NO
				% of room			91.47%	25.56%		
	R17		Residential	Bedroom	Area m2	13.82	12.71	6.09	0.48	NO
				% of room			91.95%	44.02%		
	R18		Residential	Bedroom	Area m2	10.25	9.58	4.72	0.49	NO
				% of room			93.43%	46.06%		
	R19		Residential	LKD	Area m2	28.08	27.95	23.32	0.83	YES
				% of room			99.54%	83.05%		
12th	R1		Residential	LKD	Area m2	25.35	25.33	25.33	1.00	YES
				% of room			99.92%	99.92%		
	R2		Residential	Bedroom	Area m2	12.54	11.96	8.55	0.72	NO
				% of room			95.36%	68.19%		
	R3		Residential	Bedroom	Area m2	12.66	11.52	8.29	0.72	NO
				% of room			91.02%	65.49%		
	R4		Residential	LKD	Area m2	22.76	21.82	11.22	0.51	NO
				% of room			95.87%	49.30%		
	R5		Residential	Bedroom	Area m2	12.35	11.40	4.74	0.42	NO
				% of room			92.38%	38.40%		
	R6		Residential	LKD	Area m2	27.63	26.63	7.21	0.27	NO
				% of room			96.39%	26.11%		
	R7		Residential	Bedroom	Area m2	10.71	9.53	2.65	0.28	NO

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Floor Ref.	Room Ref	Room Attribute	Property Type	Room Use		Room Area	Lit Area Existing	Lit Area Proposed	Pr/Ex	Meets BRE Criteria
	R8		Residential	Bedroom	% of room	10.62	88.93%	24.72%	0.03	NO
					Area m2		9.54	0.31		
	R9		Residential	LKD	% of room	27.30	89.86%	2.93%	0.15	NO
					Area m2		26.45	3.88		
	R10		Residential	Bedroom	% of room	11.03	96.86%	14.19%	0.24	NO
					Area m2		10.87	2.62		
	R11		Residential	LKD	% of room	27.89	98.59%	23.74%	0.21	NO
					Area m2		27.70	5.69		
	R12		Residential	Bedroom	% of room	10.24	99.35%	20.41%	0.05	NO
					Area m2		9.45	0.50		
	R13		Residential	Bedroom	% of room	13.82	92.24%	4.84%	0.04	NO
					Area m2		12.94	0.55		
	R14		Residential	Bedroom	% of room	12.99	93.58%	4.00%	0.05	NO
					Area m2		11.85	0.56		
	R15		Residential	LKD	% of room	26.98	91.26%	4.28%	0.13	NO
					Area m2		26.29	3.42		
	R16		Residential	Bedroom	% of room	10.27	97.45%	12.69%	0.29	NO
					Area m2		9.40	2.68		
	R17		Residential	Bedroom	% of room	13.82	91.46%	26.07%	0.48	NO
					Area m2		12.71	6.09		
	R18		Residential	Bedroom	% of room	10.25	91.93%	44.08%	0.50	NO
					Area m2		9.58	4.75		
	R19		Residential	LKD	% of room	28.08	93.44%	46.29%	0.84	YES
					Area m2		27.95	23.53		
					% of room		99.54%	83.80%		
13th	R1		Residential	LKD	Area m2	25.35	25.33	25.33	1.00	YES
					% of room		99.92%	99.92%		
	R2		Residential	Bedroom	Area m2	12.54	11.96	8.58	0.72	NO
					% of room		95.36%	68.42%		
	R3		Residential	Bedroom	Area m2	12.66	11.52	8.31	0.72	NO
					% of room		91.02%	65.63%		
	R4		Residential	LKD	Area m2	22.76	21.86	11.27	0.52	NO
					% of room		96.05%	49.50%		
	R5		Residential	Bedroom	Area m2	12.35	11.40	4.76	0.42	NO
					% of room		92.38%	38.55%		
	R6		Residential	LKD	Area m2	27.63	26.63	7.23	0.27	NO
					% of room		96.39%	26.18%		
	R7		Residential	Bedroom	Area m2	10.71	9.53	2.67	0.28	NO
					% of room		88.93%	24.96%		
	R8		Residential	Bedroom	Area m2	10.62	9.54	0.31	0.03	NO
					% of room		89.86%	2.96%		
	R9		Residential	LKD	Area m2	27.30	26.46	3.92	0.15	NO
					% of room		96.91%	14.34%		
	R10		Residential	Bedroom	Area m2	11.03	10.89	2.71	0.25	NO
					% of room		98.72%	24.56%		
	R11		Residential	LKD	Area m2	27.89	27.71	5.75	0.21	NO
					% of room		99.36%	20.63%		
	R12		Residential	Bedroom	Area m2	10.24	9.45	0.51	0.05	NO
					% of room		92.24%	4.93%		
	R13		Residential	Bedroom	Area m2	13.82	12.94	0.57	0.04	NO
					% of room		93.58%	4.15%		
	R14		Residential	Bedroom	Area m2	12.99	11.85	0.58	0.05	NO
					% of room		91.24%	4.46%		
	R15		Residential	LKD	Area m2	26.98	26.29	3.95	0.15	NO
					% of room		97.45%	14.65%		
	R16		Residential	Bedroom	Area m2	10.27	9.40	2.74	0.29	NO
					% of room		91.47%	26.62%		
	R17		Residential	Bedroom	Area m2	13.82	12.71	6.11	0.48	NO
					% of room		91.95%	44.24%		
	R18		Residential	Bedroom	Area m2	10.25	9.58	4.76	0.50	NO
					% of room		93.44%	46.44%		
	R19		Residential	LKD	Area m2	28.08	27.95	23.71	0.85	YES

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14th	R1		Residential	LKD	Area m2	25.35	99.54%	84.46%	1.00	YES
					% of room	25.33	99.92%	99.92%		
	R2		Residential	Bedroom	Area m2	12.54	11.98	8.60	0.72	NO
					% of room	12.66	95.51%	68.57%		
	R3		Residential	Bedroom	Area m2	12.66	11.52	8.33	0.72	NO
					% of room	12.76	91.02%	65.80%		
	R4		Residential	LKD	Area m2	22.76	21.87	11.28	0.52	NO
					% of room	12.35	96.10%	49.55%		
	R5		Residential	Bedroom	Area m2	12.35	11.40	4.78	0.42	NO
					% of room	27.63	92.38%	38.75%		
	R6		Residential	LKD	Area m2	27.63	26.64	7.26	0.27	NO
					% of room	10.71	96.39%	26.26%		
	R7		Residential	Bedroom	Area m2	10.71	9.53	2.71	0.28	NO
					% of room	10.62	88.93%	25.26%		
	R8		Residential	Bedroom	Area m2	10.62	9.53	0.32	0.03	NO
					% of room	27.30	89.70%	3.03%		
	R9		Residential	LKD	Area m2	27.30	26.47	3.98	0.15	NO
					% of room	11.03	96.95%	14.57%		
	R10		Residential	Bedroom	Area m2	11.03	11.03	2.89	0.26	NO
					% of room	27.89	99.98%	26.19%		
	R11		Residential	LKD	Area m2	27.89	27.71	5.71	0.21	NO
					% of room	10.24	99.36%	20.49%		
	R12		Residential	Bedroom	Area m2	10.24	9.45	0.52	0.05	NO
					% of room	13.82	92.24%	5.05%		
	R13		Residential	Bedroom	Area m2	13.82	12.94	0.59	0.05	NO
					% of room	12.99	93.58%	4.24%		
	R14		Residential	Bedroom	Area m2	12.99	11.85	0.59	0.05	NO
					% of room	26.98	91.26%	4.56%		
	R15		Residential	LKD	Area m2	26.98	26.29	4.55	0.17	NO
					% of room	10.27	97.45%	16.87%		
	R16		Residential	Bedroom	Area m2	10.27	9.40	2.83	0.30	NO
					% of room	13.82	91.47%	27.50%		
	R17		Residential	Bedroom	Area m2	13.82	12.71	6.13	0.48	NO
					% of room	10.25	91.95%	44.35%		
	R18		Residential	Bedroom	Area m2	10.25	9.58	4.79	0.50	NO
					% of room	28.08	93.44%	46.68%		
	R19		Residential	LKD	Area m2	28.08	27.95	23.87	0.85	YES
					% of room	25.35	99.54%	85.00%		
15th	R1		Residential	LKD	Area m2	25.35	25.33	25.33	1.00	YES
	R2		Residential	Bedroom	Area m2	12.54	99.92%	99.92%	0.72	NO
					% of room	12.54	11.96	8.62		
	R3		Residential	Bedroom	Area m2	12.66	95.36%	68.76%	0.73	NO
					% of room	12.66	11.52	8.36		
	R4		Residential	LKD	Area m2	22.76	91.02%	66.02%	0.52	NO
					% of room	22.76	21.89	11.36		
	R5		Residential	Bedroom	Area m2	12.35	96.15%	49.92%	0.42	NO
					% of room	12.35	11.40	4.81		
	R6		Residential	LKD	Area m2	27.63	92.38%	38.92%	0.28	NO
					% of room	27.63	26.64	7.39		
	R7		Residential	Bedroom	Area m2	10.71	96.39%	26.74%	0.29	NO
					% of room	10.71	9.52	2.79		
	R8		Residential	Bedroom	Area m2	10.62	88.90%	26.05%	0.03	NO
					% of room	10.62	9.53	0.33		
	R9		Residential	LKD	Area m2	27.30	89.72%	3.08%	0.15	NO
					% of room	27.30	26.48	4.09		
	R10		Residential	Bedroom	Area m2	11.03	96.97%	14.97%	0.27	NO
					% of room	11.03	11.03	2.94		
	R11		Residential	LKD	Area m2	34.88	99.99%	26.69%	0.12	NO
					% of room	34.88	31.86	3.80		
	R12		Residential	Bedroom	Area m2	12.05	91.35%	10.90%	0.23	NO
					Area m2	12.05	11.98	2.77		

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	R13		Residential	Bedroom	% of room	22.03	99.39%	22.97%	0.36	NO
					Area m2		21.84	7.93		
	R14		Residential	Bedroom	% of room	18.07	99.12%	36.02%	0.47	NO
					Area m2		17.44	8.17		
	R15		Residential	Bedroom	% of room	11.38	96.49%	45.20%	0.62	NO
					Area m2		11.17	6.95		
	R16		Residential	LKD	% of room	32.96	98.13%	61.10%	0.87	YES
					Area m2		32.48	28.26		
					% of room		98.56%	85.74%		
16th	R1		Residential	LKD	Area m2	25.35	25.33	25.33	1.00	YES
					% of room		99.92%	99.92%		
	R2		Residential	Bedroom	Area m2	12.54	11.97	8.64	0.72	NO
					% of room		95.44%	68.93%		
	R3		Residential	Bedroom	Area m2	12.66	11.52	8.39	0.73	NO
					% of room		91.02%	66.31%		
	R4		Residential	LKD	Area m2	22.76	21.89	11.38	0.52	NO
					% of room		96.17%	50.00%		
	R5		Residential	Bedroom	Area m2	12.35	11.40	4.86	0.43	NO
					% of room		92.38%	39.36%		
	R6		Residential	LKD	Area m2	27.63	26.64	7.49	0.28	NO
					% of room		96.39%	27.12%		
	R7		Residential	Bedroom	Area m2	10.71	9.52	2.88	0.30	NO
					% of room		88.90%	26.89%		
	R8		Residential	Bedroom	Area m2	10.62	9.53	0.34	0.04	NO
					% of room		89.71%	3.18%		
	R9		Residential	LKD	Area m2	27.30	26.48	4.30	0.16	NO
					% of room		96.98%	15.75%		
	R10		Residential	Bedroom	Area m2	11.03	11.03	3.02	0.27	NO
					% of room		99.98%	27.37%		
17th	R1		Residential	LKD	Area m2	25.35	25.33	25.33	1.00	YES
					% of room		99.92%	99.92%		
	R2		Residential	Bedroom	Area m2	12.54	11.96	8.66	0.72	NO
					% of room		95.36%	69.07%		
	R3		Residential	Bedroom	Area m2	12.66	11.52	8.46	0.73	NO
					% of room		91.02%	66.80%		
	R4		Residential	LKD	Area m2	22.76	21.90	11.40	0.52	NO
					% of room		96.20%	50.10%		
	R5		Residential	Bedroom	Area m2	12.35	11.41	4.95	0.43	NO
					% of room		92.39%	40.11%		
	R6		Residential	LKD	Area m2	27.63	26.64	7.65	0.29	NO
					% of room		96.39%	27.70%		
	R7		Residential	Bedroom	Area m2	10.71	9.54	3.18	0.33	NO
					% of room		89.06%	29.72%		
	R8		Residential	Bedroom	Area m2	10.62	9.50	0.35	0.04	NO
					% of room		89.40%	3.27%		
	R9		Residential	LKD	Area m2	27.30	26.48	4.65	0.18	NO
					% of room		96.98%	17.05%		
	R10		Residential	Bedroom	Area m2	11.03	11.03	3.06	0.28	NO
					% of room		99.99%	27.70%		
18th	R1		Residential	LKD	Area m2	25.35	25.33	25.33	1.00	YES
					% of room		99.92%	99.92%		
	R2		Residential	Bedroom	Area m2	12.54	11.96	8.65	0.72	NO
					% of room		95.36%	68.97%		
	R3		Residential	Bedroom	Area m2	12.66	11.52	8.47	0.74	NO
					% of room		91.02%	66.92%		
	R4		Residential	LKD	Area m2	22.76	21.90	11.51	0.53	NO
					% of room		96.21%	50.57%		
	R5		Residential	Bedroom	Area m2	12.35	11.40	5.26	0.46	NO
					% of room		92.38%	42.63%		
	R6		Residential	LKD	Area m2	27.63	26.64	8.12	0.30	NO
					% of room		96.39%	29.37%		
	R7		Residential	Bedroom	Area m2	10.71	9.52	3.62	0.38	NO

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	R8		Residential	Bedroom	% of room	10.62	88.90%	33.75%	0.04	NO
	R9		Residential	LKD	% of room	27.30	89.40%	3.35%	0.18	NO
	R10		Residential	Bedroom	% of room	11.03	96.99%	17.75%	0.28	NO
					% of room		99.98%	28.06%		
19th	R1		Residential	LKD	Area m2	25.35	25.33	25.33	1.00	YES
					% of room		99.92%	99.92%		
	R2		Residential	Bedroom	Area m2	12.54	11.96	8.64	0.72	NO
					% of room		95.37%	68.89%		
	R3		Residential	Bedroom	Area m2	12.66	11.52	9.03	0.78	NO
					% of room		91.02%	71.34%		
	R4		Residential	LKD	Area m2	22.76	21.90	12.27	0.56	NO
					% of room		96.23%	53.92%		
	R5		Residential	Bedroom	Area m2	12.35	11.40	5.50	0.48	NO
					% of room		92.38%	44.52%		
	R6		Residential	LKD	Area m2	27.63	26.64	8.63	0.32	NO
					% of room		96.39%	31.25%		
	R7		Residential	Bedroom	Area m2	10.71	9.52	3.74	0.39	NO
					% of room		88.90%	34.93%		
	R8		Residential	Bedroom	Area m2	10.62	9.50	0.37	0.04	NO
					% of room		89.40%	3.47%		
	R9		Residential	LKD	Area m2	27.30	26.48	4.90	0.19	NO
					% of room		96.99%	17.96%		
	R10		Residential	Bedroom	Area m2	11.03	11.03	3.17	0.29	NO
					% of room		99.99%	28.70%		
20th	R1		Residential	LKD	Area m2	25.35	25.33	25.33	1.00	YES
					% of room		99.92%	99.92%		
	R2		Residential	Bedroom	Area m2	12.54	11.96	8.61	0.72	NO
					% of room		95.36%	68.63%		
	R3		Residential	Bedroom	Area m2	12.66	11.52	9.36	0.81	YES
					% of room		91.02%	73.98%		
	R4		Residential	LKD	Area m2	22.76	21.90	12.63	0.58	NO
					% of room		96.24%	55.47%		
	R5		Residential	Bedroom	Area m2	12.35	11.40	5.60	0.49	NO
					% of room		92.38%	45.36%		
	R6		Residential	LKD	Area m2	27.63	26.64	8.72	0.33	NO
					% of room		96.39%	31.54%		
	R7		Residential	Bedroom	Area m2	10.71	9.52	3.80	0.40	NO
					% of room		88.90%	35.45%		
	R8		Residential	Bedroom	Area m2	10.62	9.50	0.37	0.04	NO
					% of room		89.40%	3.46%		
	R9		Residential	LKD	Area m2	27.30	26.48	4.93	0.19	NO
					% of room		96.99%	18.07%		
	R10		Residential	Bedroom	Area m2	11.03	11.03	3.21	0.29	NO
					% of room		99.98%	29.09%		
21st	R1		Residential	LKD	Area m2	25.35	25.33	25.33	1.00	YES
					% of room		99.92%	99.92%		
	R2		Residential	Bedroom	Area m2	12.54	11.98	8.43	0.70	NO
					% of room		95.50%	67.21%		
	R3		Residential	Bedroom	Area m2	12.66	11.52	9.25	0.80	YES
					% of room		91.02%	73.11%		
	R4		Residential	LKD	Area m2	22.76	21.91	12.28	0.56	NO
					% of room		96.25%	53.94%		
	R5		Residential	Bedroom	Area m2	12.35	11.40	5.56	0.49	NO
					% of room		92.38%	45.07%		
	R6		Residential	LKD	Area m2	27.63	26.64	8.49	0.32	NO
					% of room		96.39%	30.73%		
	R7		Residential	Bedroom	Area m2	10.71	9.52	3.70	0.39	NO
					% of room		88.90%	34.53%		
	R8		Residential	Bedroom	Area m2	10.62	9.54	0.39	0.04	NO

Project Name: Oxygen Towers, Store Street, Manchester M1 2FU
 Project No.: EKA251101
 Report Title: Daylight Distribution Analysis - Existing vs Proposed (Plus Emerging Context and East Village SRF Update)
 Date of Analysis: 08/01/2026

Floor Ref.	Room Ref	Room Attribute	Property Type	Room Use		Room Area	Lit Area Existing	Lit Area Proposed	Pr/Ex	Meets BRE Criteria
	R9		Residential	LKD	% of room	27.30	89.82%	3.64%	0.18	NO
	R10		Residential	Bedroom	% of room	11.03	96.99%	17.50%	0.30	NO
					Area m2		11.03	3.31		
					% of room		99.98%	30.02%		
22nd	R1		Residential	LKD	Area m2	25.35	25.33	25.27	1.00	YES
					% of room		99.92%	99.69%		
	R2		Residential	Bedroom	Area m2	12.54	11.97	7.67	0.64	NO
					% of room		95.45%	61.13%		
	R3		Residential	Bedroom	Area m2	12.66	11.52	8.35	0.72	NO
					% of room		91.02%	65.94%		
	R4		Residential	LKD	Area m2	22.76	21.91	10.31	0.47	NO
					% of room		96.25%	45.28%		
	R5		Residential	Bedroom	Area m2	12.35	11.40	4.92	0.43	NO
					% of room		92.38%	39.83%		
	R6		Residential	LKD	Area m2	27.63	26.64	7.42	0.28	NO
					% of room		96.39%	26.85%		
	R7		Residential	Bedroom	Area m2	10.71	9.53	2.98	0.31	NO
					% of room		88.93%	27.84%		
	R8		Residential	Bedroom	Area m2	10.62	9.53	0.40	0.04	NO
					% of room		89.71%	3.76%		
	R9		Residential	LKD	Area m2	27.30	26.48	4.28	0.16	NO
					% of room		97.00%	15.69%		
	R10		Residential	Bedroom	Area m2	11.03	11.03	3.38	0.31	NO
					% of room		99.99%	30.62%		
23rd	R1		Residential	LKD	Area m2	25.35	25.33	25.22	1.00	YES
					% of room		99.92%	99.49%		
	R2		Residential	Bedroom	Area m2	12.54	11.96	7.56	0.63	NO
					% of room		95.37%	60.29%		
	R3		Residential	Bedroom	Area m2	12.66	11.52	8.11	0.70	NO
					% of room		91.02%	64.06%		
	R4		Residential	LKD	Area m2	22.76	21.91	9.41	0.43	NO
					% of room		96.26%	41.36%		
	R5		Residential	Bedroom	Area m2	12.35	11.40	4.58	0.40	NO
					% of room		92.38%	37.07%		
	R6		Residential	LKD	Area m2	27.63	26.64	6.47	0.24	NO
					% of room		96.39%	23.41%		
	R7		Residential	Bedroom	Area m2	10.71	9.52	2.69	0.28	NO
					% of room		88.90%	25.10%		
	R8		Residential	Bedroom	Area m2	10.62	9.50	0.43	0.05	NO
					% of room		89.40%	4.06%		
	R9		Residential	LKD	Area m2	27.30	26.48	4.23	0.16	NO
					% of room		97.00%	15.50%		
	R10		Residential	Bedroom	Area m2	11.03	11.03	3.46	0.31	NO
					% of room		99.99%	31.33%		
24th	R1		Residential	LKD	Area m2	25.35	25.33	25.19	0.99	YES
					% of room		99.92%	99.38%		
	R2		Residential	Bedroom	Area m2	12.54	11.96	7.26	0.61	NO
					% of room		95.36%	57.88%		
	R3		Residential	Bedroom	Area m2	12.66	11.52	7.69	0.67	NO
					% of room		91.03%	60.78%		
	R4		Residential	LKD	Area m2	22.76	21.91	8.82	0.40	NO
					% of room		96.27%	38.75%		
	R5		Residential	Bedroom	Area m2	12.35	11.41	4.26	0.37	NO
					% of room		92.39%	34.49%		
	R6		Residential	LKD	Area m2	27.63	26.64	6.19	0.23	NO
					% of room		96.39%	22.39%		
	R7		Residential	Bedroom	Area m2	10.71	9.54	2.39	0.25	NO
					% of room		89.09%	22.30%		
	R8		Residential	Bedroom	Area m2	10.62	9.51	0.46	0.05	NO
					% of room		89.52%	4.36%		
	R9		Residential	LKD	Area m2	27.30	26.48	4.07	0.15	NO

Project Name: Oxygen Towers, Store Street, Manchester M1 2FU
 Project No.: EKA251101
 Report Title: Daylight Distribution Analysis - Existing vs Proposed (Plus Emerging Context and East Village SRF Update)
 Date of Analysis: 08/01/2026

Floor Ref.	Room Ref	Room Attribute	Property Type	Room Use		Room Area	Lit Area Existing	Lit Area Proposed	Pr/Ex	Meets BRE Criteria
	R10		Residential	Bedroom	% of room Area m2 % of room	11.03	97.00% 11.03 99.98%	14.90% 3.56 32.29%	0.32	NO
25th	R1		Residential	LKD	Area m2 % of room	25.35	25.33 99.92%	25.19 99.38%	0.99	YES
	R2		Residential	Bedroom	Area m2 % of room	12.54	11.98 95.50%	7.27 57.95%	0.61	NO
	R3		Residential	Bedroom	Area m2 % of room	12.66	11.52 91.02%	7.72 60.96%	0.67	NO
	R4		Residential	LKD	Area m2 % of room	22.76	21.91 96.28%	8.88 39.02%	0.41	NO
	R5		Residential	Bedroom	Area m2 % of room	12.35	11.41 92.39%	4.30 34.86%	0.38	NO
	R6		Residential	LKD	Area m2 % of room	27.63	26.64 96.39%	6.31 22.82%	0.24	NO
	R7		Residential	Bedroom	Area m2 % of room	10.71	9.54 89.06%	2.43 22.70%	0.25	NO
	R8		Residential	Bedroom	Area m2 % of room	10.62	9.53 89.71%	0.48 4.51%	0.05	NO
	R9		Residential	LKD	Area m2 % of room	27.30	26.48 97.00%	4.19 15.35%	0.16	NO
	R10		Residential	Bedroom	Area m2 % of room	11.03	11.03 99.99%	3.70 33.54%	0.34	NO
26th	R1		Residential	LKD	Area m2 % of room	25.35	25.33 99.92%	25.19 99.38%	0.99	YES
	R2		Residential	Bedroom	Area m2 % of room	12.54	11.98 95.50%	7.29 58.11%	0.61	NO
	R3		Residential	Bedroom	Area m2 % of room	12.66	11.52 91.02%	7.74 61.16%	0.67	NO
	R4		Residential	LKD	Area m2 % of room	22.76	21.91 96.28%	8.95 39.30%	0.41	NO
	R5		Residential	Bedroom	Area m2 % of room	12.35	11.40 92.38%	4.32 34.97%	0.38	NO
	R6		Residential	LKD	Area m2 % of room	27.63	26.64 96.39%	6.39 23.13%	0.24	NO
	R7		Residential	Bedroom	Area m2 % of room	10.71	9.53 88.93%	2.46 22.94%	0.26	NO
	R8		Residential	Bedroom	Area m2 % of room	10.62	9.54 89.83%	0.57 5.36%	0.06	NO
	R9		Residential	LKD	Area m2 % of room	27.30	26.49 97.00%	4.32 15.82%	0.16	NO
	R10		Residential	Bedroom	Area m2 % of room	11.03	11.03 99.98%	3.93 35.60%	0.36	NO
27th	R1		Residential	LKD	Area m2 % of room	25.35	25.33 99.92%	25.19 99.38%	0.99	YES
	R2		Residential	Bedroom	Area m2 % of room	12.54	11.96 95.37%	7.31 58.33%	0.61	NO
	R3		Residential	Bedroom	Area m2 % of room	12.66	11.52 91.02%	7.79 61.52%	0.68	NO
	R4		Residential	LKD	Area m2 % of room	22.76	21.91 96.28%	8.99 39.51%	0.41	NO
	R5		Residential	Bedroom	Area m2 % of room	12.35	11.41 92.39%	4.40 35.67%	0.39	NO
	R6		Residential	LKD	Area m2 % of room	27.63	26.64 96.39%	6.50 23.52%	0.24	NO
	R7		Residential	Bedroom	Area m2 % of room	10.71	9.54 89.09%	2.56 23.94%	0.27	NO
	R8		Residential	Bedroom	Area m2 % of room	10.62	9.50 89.40%	0.48 4.51%	0.05	NO
	R9		Residential	LKD	Area m2 % of room	27.30	26.49 97.00%	4.44 16.27%	0.17	NO
	R10		Residential	Bedroom	Area m2	11.03	11.03	4.10	0.37	NO

Project Name: Oxygen Towers, Store Street, Manchester M1 2FU
 Project No.: EKA251101
 Report Title: Daylight Distribution Analysis - Existing vs Proposed (Plus Emerging Context and East Village SRF Update)
 Date of Analysis: 08/01/2026

Floor Ref.	Room Ref	Room Attribute	Property Type	Room Use		Room Area	Lit Area Existing	Lit Area Proposed	Pr/Ex	Meets BRE Criteria
28th	R1		Residential	LKD	% of room		99.99%	37.16%	0.99	YES
					Area m2	25.35	25.33	25.19		
	R2		Residential	Bedroom	% of room		99.92%	99.38%	0.61	NO
					Area m2	12.54	12.00	7.35		
	R3		Residential	Bedroom	% of room		95.70%	58.64%	0.68	NO
					Area m2	12.66	11.52	7.84		
	R4		Residential	LKD	% of room		91.02%	61.92%	0.41	NO
					Area m2	22.76	21.91	9.08		
	R5		Residential	Bedroom	% of room		96.28%	39.89%	0.39	NO
					Area m2	12.35	11.40	4.49		
	R6		Residential	LKD	% of room		92.38%	36.35%	0.25	NO
					Area m2	27.63	26.64	6.59		
29th	R1		Residential	LKD	% of room		96.39%	23.86%	0.28	NO
					Area m2	10.71	9.54	2.70		
	R2		Residential	Bedroom	% of room		89.09%	25.20%	0.05	NO
					Area m2	10.62	9.53	0.52		
	R3		Residential	Bedroom	% of room		89.71%	4.87%	0.17	NO
					Area m2	27.30	26.49	4.61		
	R4		Residential	LKD	% of room		97.00%	16.89%	0.40	NO
					Area m2	11.03	11.03	4.40		
	R5		Residential	Bedroom	% of room		99.99%	39.91%	0.99	YES
					Area m2	25.35	25.33	25.19		
	R6		Residential	Bedroom	% of room		99.92%	99.38%	0.62	NO
					Area m2	12.54	11.98	7.41		
30th	R1		Residential	LKD	% of room		95.51%	59.12%	0.69	NO
					Area m2	12.66	11.53	7.92		
	R2		Residential	Bedroom	% of room		91.06%	62.55%	0.42	NO
					Area m2	22.76	21.92	9.20		
	R3		Residential	LKD	% of room		96.29%	40.43%	0.41	NO
					Area m2	12.35	11.41	4.63		
	R4		Residential	Bedroom	% of room		92.41%	37.50%	0.25	NO
					Area m2	27.63	26.64	6.76		
	R5		Residential	LKD	% of room		96.39%	24.47%	0.30	NO
					Area m2	10.71	9.53	2.86		
	R6		Residential	Bedroom	% of room		88.93%	26.73%	0.06	NO
					Area m2	10.62	9.51	0.59		
31st	R1		Residential	LKD	% of room		89.52%	5.52%	0.18	NO
					Area m2	27.30	26.49	4.87		
	R2		Residential	Bedroom	% of room		97.00%	17.84%	0.43	NO
					Area m2	11.03	11.03	4.72		
	R3		Residential	LKD	% of room		99.98%	42.83%	0.99	YES
					Area m2	25.35	25.33	25.19		
	R4		Residential	Bedroom	% of room		99.92%	99.38%	0.63	NO
					Area m2	12.54	11.98	7.52		
	R5		Residential	Bedroom	% of room		95.50%	59.97%	0.70	NO
					Area m2	12.66	11.52	8.08		
	R6		Residential	LKD	% of room		91.05%	63.81%	0.43	NO
					Area m2	22.76	21.92	9.39		

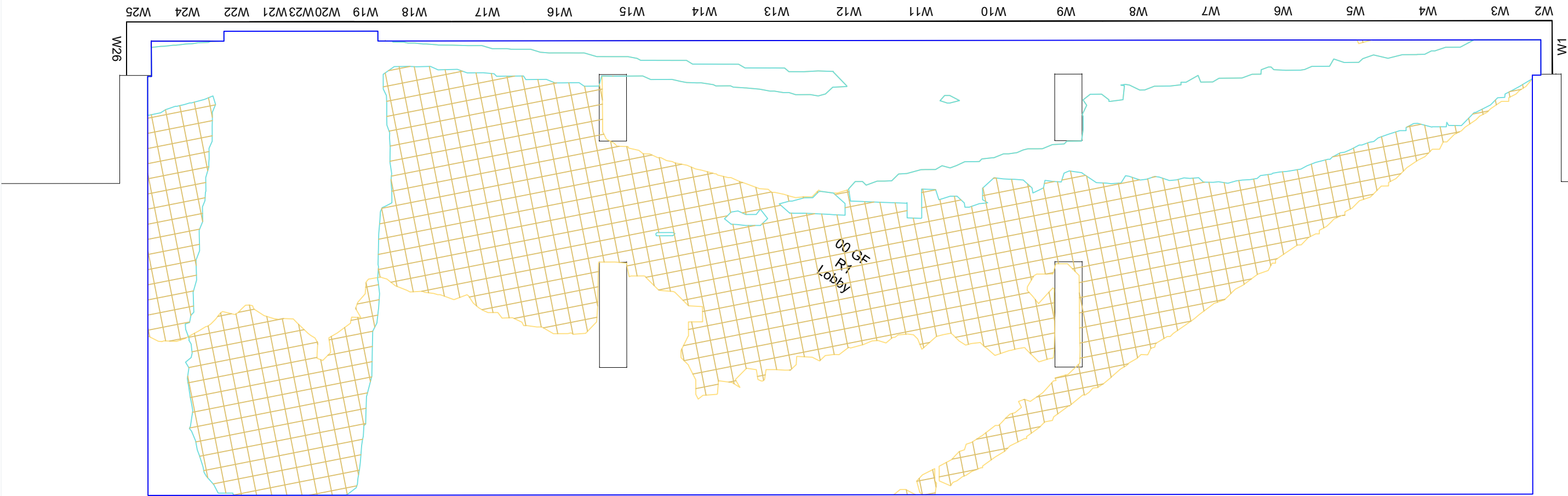
Project Name: Oxygen Towers, Store Street, Manchester M1 2FU

Project No.: EKA251101

Report Title: Daylight Distribution Analysis - Existing vs Proposed (Plus Emerging Context and East Village SRF Update)

Date of Analysis: 08/01/2026

Floor Ref.	Room Ref	Room Attribute	Property Type	Room Use		Room Area	Lit Area Existing	Lit Area Proposed	Pr/Ex	Meets BRE Criteria
	R2		Residential	Bedroom	% of room	12.54	99.92%	99.36%	0.65	NO
					Area m2	12.54	11.96	7.79		
	R3		Residential	Bedroom	% of room	12.66	95.37%	62.11%	0.73	NO
					Area m2	12.66	11.52	8.41		
	R4		Residential	LKD	% of room	22.76	91.03%	66.47%	0.45	NO
					Area m2	22.76	21.92	9.81		
	R5		Residential	Bedroom	% of room	12.35	96.30%	43.09%	0.47	NO
					Area m2	12.35	11.41	5.32		
	R6		Residential	LKD	% of room	27.63	92.39%	43.07%	0.28	NO
					Area m2	27.63	26.64	7.58		
	R7		Residential	Bedroom	% of room	10.71	96.39%	27.42%	0.41	NO
					Area m2	10.71	9.54	3.95		
	R8		Residential	Bedroom	% of room	10.62	89.06%	36.90%	0.06	NO
					Area m2	10.62	9.50	0.56		
	R9		Residential	LKD	% of room	27.30	89.40%	5.24%	0.21	NO
					Area m2	27.30	26.49	5.57		
	R10		Residential	Bedroom	% of room	11.03	97.00%	20.40%	0.50	NO
					Area m2	11.03	11.03	5.48		
					% of room		99.99%	49.70%		
32nd	R1		Residential	Bedroom	Area m2	54.33	54.18	53.17	0.98	YES
					% of room		99.73%	97.87%		
	R2		Residential	Bedroom	Area m2	16.19	16.05	11.47	0.71	NO
					% of room		99.14%	70.86%		
	R3		Residential	Bedroom	Area m2	15.10	13.77	4.46	0.32	NO
					% of room		91.18%	29.52%		
	R4		Residential	Bedroom	Area m2	32.72	32.20	19.38	0.60	NO
					% of room		98.43%	59.22%		
	R5		Residential	Bedroom	Area m2	11.63	11.16	4.88	0.44	NO
					% of room		95.97%	41.96%		



Tower 2 - Ground Floor

Daylight Distribution /
No Sky Line Contours

REV	DATE	DESCRIPTION	DB	CB
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Akt. Rights to Light Surveyors Limited
Add: 26 Store Street, London WC1E 7BT
Tel: 0203 488 0516 Mob: 07840 848 570
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KEY


Buildings Assessed


Existing Buildings


Proposed Development


Existing Contour


Proposed Contour


Area of Light Loss

SOURCES OF INFORMATION

Existing Stocktons Building

AccuCities digital 3D AutoCAD model.

Proposed Stocktons Development

3D model produced by Akt. Rights of Light Surveyors Ltd using Simpsonhaugh planning application drawings.

Contextual 3D Model

AccuCities digital 3D AutoCAD model.

Oxygen Towers

3D models by Akt. Rights of Light Surveyors Ltd using 5plus Architects planning consented drawings.

Neighbouring Consented Buildings

AccuCities digital 3D AutoCAD model.

Emerging Context

3D model produced by Akt. Rights of Light Surveyors Ltd using Simpsonhaugh DAS planning application drawings.

TITLE

Oxygen Towers

Existing vs Proposed (+EC SRF update)

PROJECT

Stocktons, Manchester

CLIENT

Urbanbubble Limited

DRAWN BY

DW

CHECKED BY

DW

DATE

08/01/2026

SCALE @ A3

NTS

PROJECT NUMBER

EKA251011

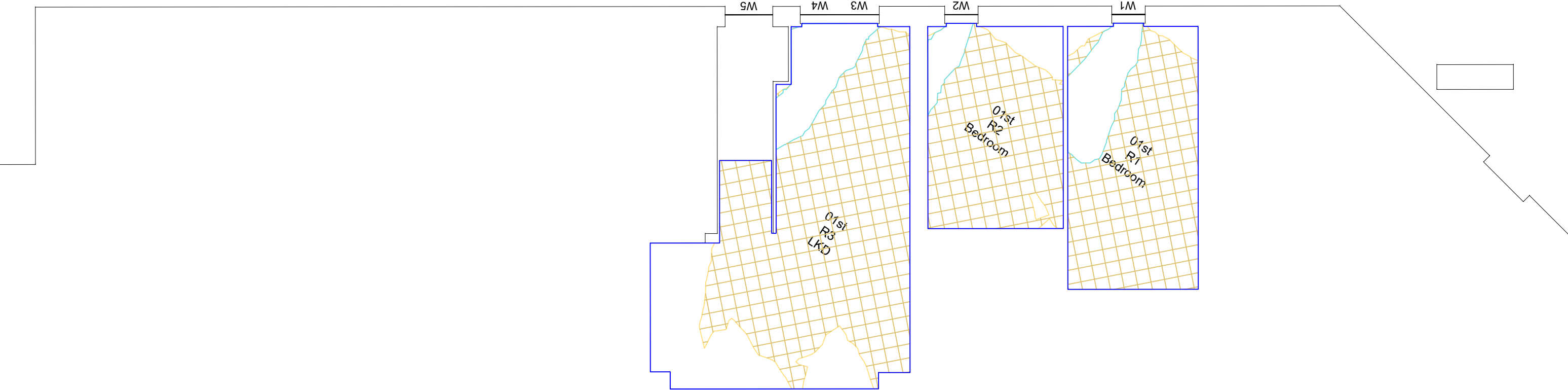
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REV

H





Tower 1 - First Floor

Daylight Distribution /
No Sky Line Contours

REV	DATE	DESCRIPTION	DB	CB
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KEY

-  Buildings Assessed
-  Existing Buildings
-  Proposed Development
-  Existing Contour
-  Proposed Contour
-  Area of Light Loss

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Add: 26 Store Street, London WC1E 7BT
Tel: 0203 488 0516 Mob: 07840 848 570
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SOURCES OF INFORMATION

- Existing Stocktons Building**
AccuCities digital 3D AutoCAD model.
- Proposed Stocktons Development**
3D model produced by Akt. Rights of Light Surveyors Ltd using Simpsonhaugh planning application drawings.
- Contextual 3D Model**
AccuCities digital 3D AutoCAD model.
- Oxygen Towers**
3D models by Akt. Rights of Light Surveyors Ltd using 5plus Architects planning consented drawings.
- Neighbouring Consented Buildings**
AccuCities digital 3D AutoCAD model.
- Emerging Context**
3D model produced by Akt. Rights of Light Surveyors Ltd using Simpsonhaugh DAS planning application drawings.

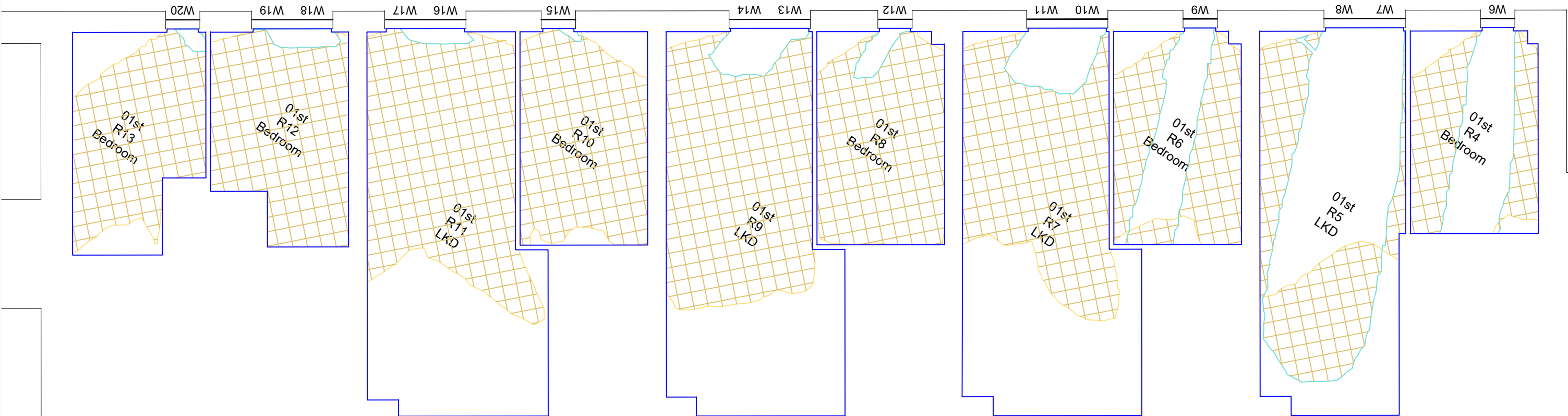
TITLE
Oxygen Towers
Existing vs Proposed (+EC SRF update)

PROJECT
Stocktons, Manchester

CLIENT
Urbanbubble Limited

DRAWN BY DW	CHECKED BY DW	DATE 08/01/2026
SCALE @ A3 NTS		PROJECT NUMBER EKA251011
DRAWING NUMBER DD01.1		REV H





Tower 3 - First Floor

Daylight Distribution /
No Sky Line Contours

REV	DATE	DESCRIPTION	DB	CB
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KEY


Buildings Assessed


Existing Buildings


Proposed Development


Existing Contour


Proposed Contour


Area of Light Loss

SOURCES OF INFORMATION

Existing Stocktons Building

AccuCities digital 3D AutoCAD model.

Proposed Stocktons Development

3D model produced by Akt. Rights of Light Surveyors Ltd using Simpsonhaugh planning application drawings.

Contextual 3D Model

AccuCities digital 3D AutoCAD model.

Oxygen Towers

3D models by Akt. Rights of Light Surveyors Ltd using 5plus Architects planning consented drawings.

Neighbouring Consented Buildings

AccuCities digital 3D AutoCAD model.

Emerging Context

3D model produced by Akt. Rights of Light Surveyors Ltd using Simpsonhaugh DAS planning application drawings.

TITLE

Oxygen Towers

Existing vs Proposed (+EC SRF update)

PROJECT

Stocktons, Manchester

CLIENT

Urbanbubble Limited

DRAWN BY

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DATE

08/01/2026

SCALE @ A3

NTS

PROJECT NUMBER

EKA251011

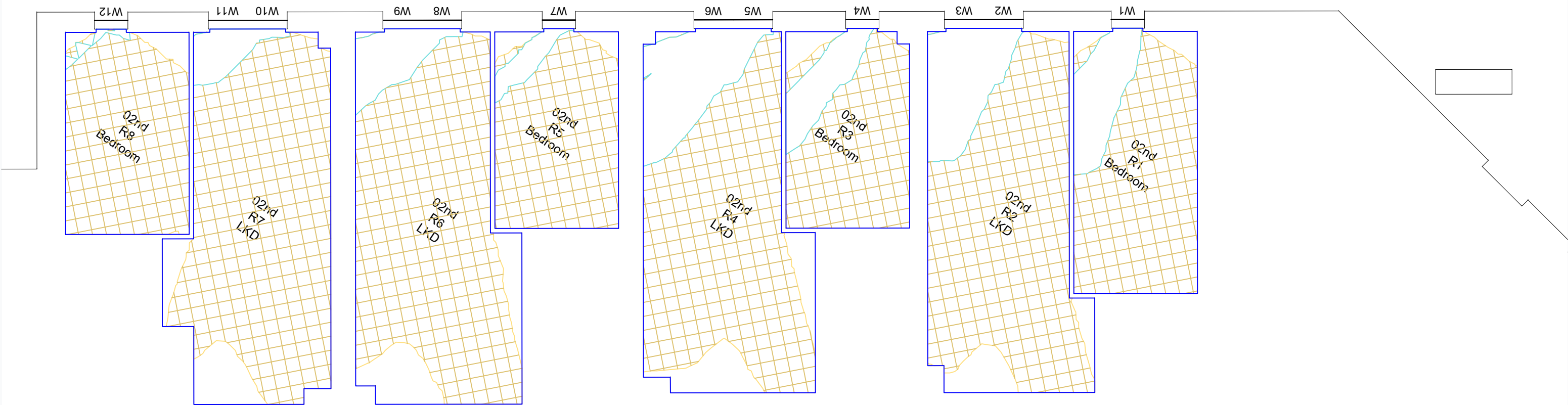
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DD01.3

REV

H





Tower 1 - Second Floor

Daylight Distribution /
No Sky Line Contours

REV	DATE	DESCRIPTION	DB	CB
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KEY

Buildings Assessed

Existing Buildings

Proposed Development

Existing Contour

Proposed Contour

Area of Light Loss

SOURCES OF INFORMATION

Existing Stocktons Building
AccuCities digital 3D AutoCAD model.

Proposed Stocktons Development
3D model produced by Akt. Rights of Light Surveyors Ltd using Simpsonhaugh planning application drawings.

Contextual 3D Model
AccuCities digital 3D AutoCAD model.

Oxygen Towers
3D models by Akt. Rights of Light Surveyors Ltd using 5plus Architects planning consented drawings.

Neighbouring Consented Buildings
AccuCities digital 3D AutoCAD model.

Emerging Context
3D model produced by Akt. Rights of Light Surveyors Ltd using Simpsonhaugh DAS planning application drawings.

TITLE

Oxygen Towers
Existing vs Proposed (+EC SRF update)

PROJECT

Stocktons, Manchester

CLIENT

Urbanbubble Limited

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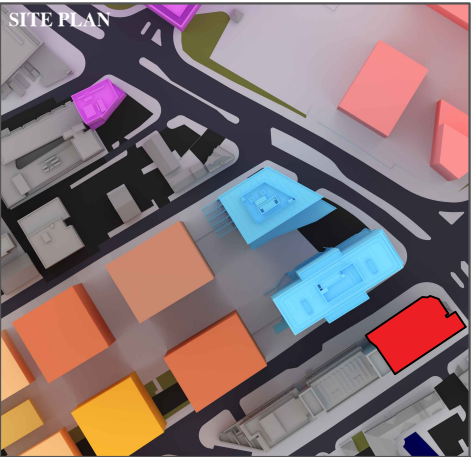
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08/01/2026

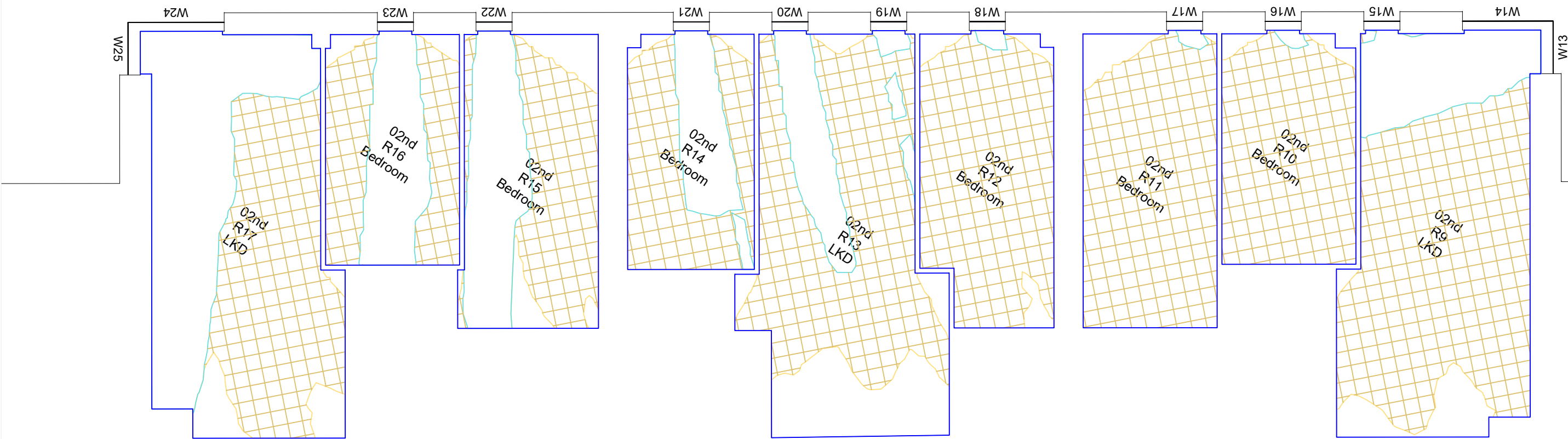
SCALE @ A3
NTS

PROJECT NUMBER
EKA251011

DRAWING NUMBER
DD02.1

REV
H





Tower 2 - Second Floor

Daylight Distribution /
No Sky Line Contours

REV	DATE	DESCRIPTION	DB	CB
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Add: 26 Store Street, London WC1E 7BT
Tel: 0203 488 0516 Mob: 07840 848 570
www.rightstolightsurveyor-london.com

KEY


Buildings Assessed


Existing Buildings


Proposed Development


Existing Contour


Proposed Contour


Area of Light Loss

SOURCES OF INFORMATION

Existing Stocktons Building
AccuCities digital 3D AutoCAD model.

Proposed Stocktons Development
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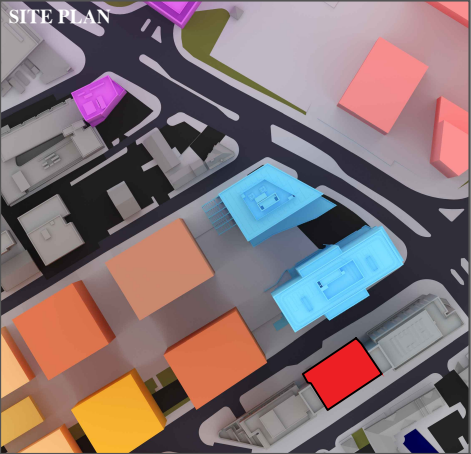
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TITLE Oxygen Towers Existing vs Proposed (+EC SRF update)		
PROJECT Stocktons, Manchester		
CLIENT Urbanbubble Limited		
DRAWN BY DW	CHECKED BY DW	DATE 08/01/2026
SCALE @ A3 NTS	PROJECT NUMBER EKA251011	
DRAWING NUMBER DD02.2		REV H





Daylight Distribution /
No Sky Line Contours

REV	DATE	DESCRIPTION	DB	CB
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KEY

Buildings Assessed

Existing Buildings

Proposed Development

Existing Contour

Proposed Contour

Area of Light Loss

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Oxygen Towers

Existing vs Proposed (+EC SRF update)

PROJECT

Stocktons, Manchester

CLIENT

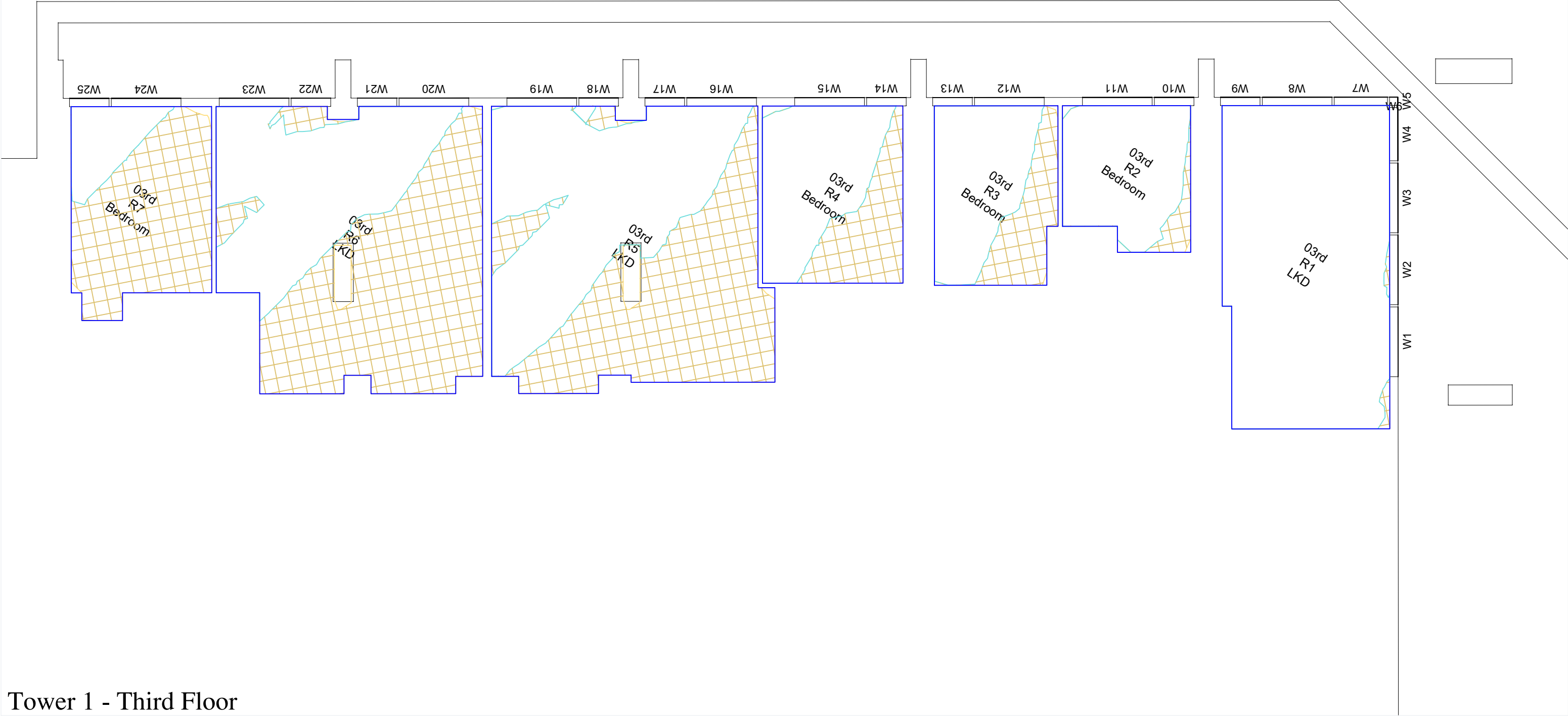
Urbanbubble Limited

DRAWN BY	CHECKED BY	DATE
DW	DW	08/01/2026
SCALE @ A3	PROJECT NUMBER	
NTS	EKA251011	
DRAWING NUMBER		REV
DD02.3		H

SITE PLAN

akt.

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Tower 1 - Third Floor

Daylight Distribution /
No Sky Line Contours

REV	DATE	DESCRIPTION	DB	CB
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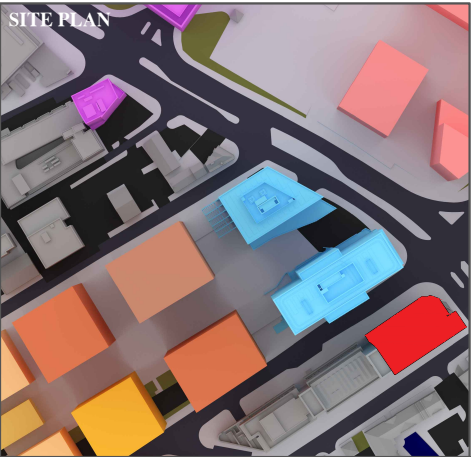
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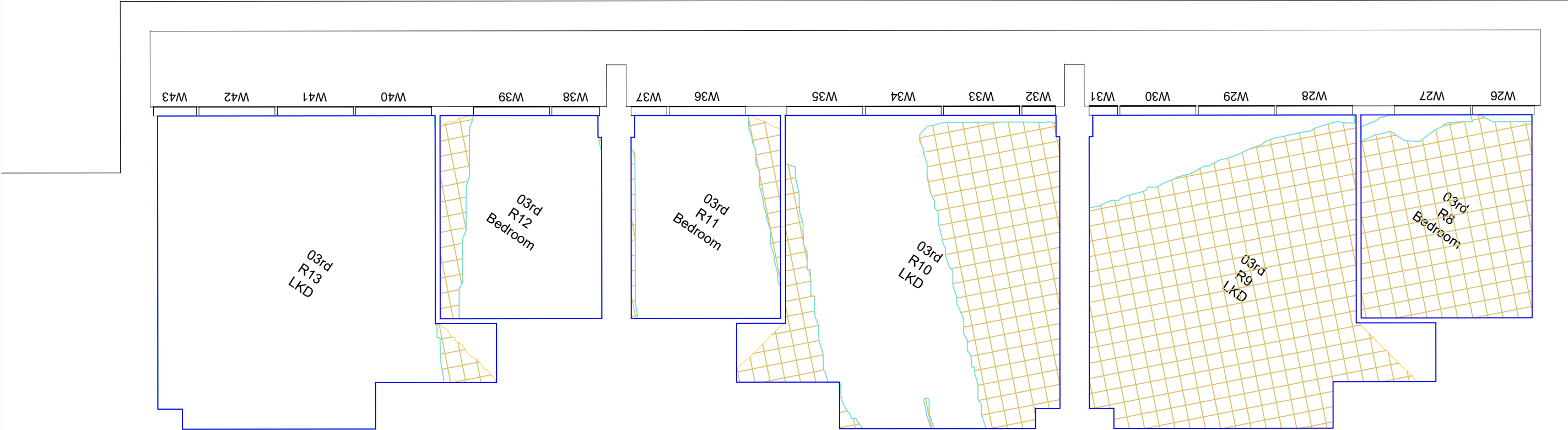
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DRAWN BY DW	CHECKED BY DW	DATE 08/01/2026
SCALE @ A3 NTS		PROJECT NUMBER EKA251011
DRAWING NUMBER DD03.1		REV H





Tower 2 - Third Floor

Daylight Distribution /
No Sky Line Contours

REV	DATE	DESCRIPTION	DB	CB
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Existing vs Proposed (+EC SRF update)

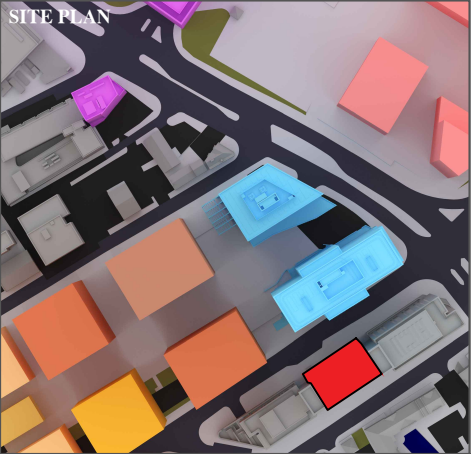
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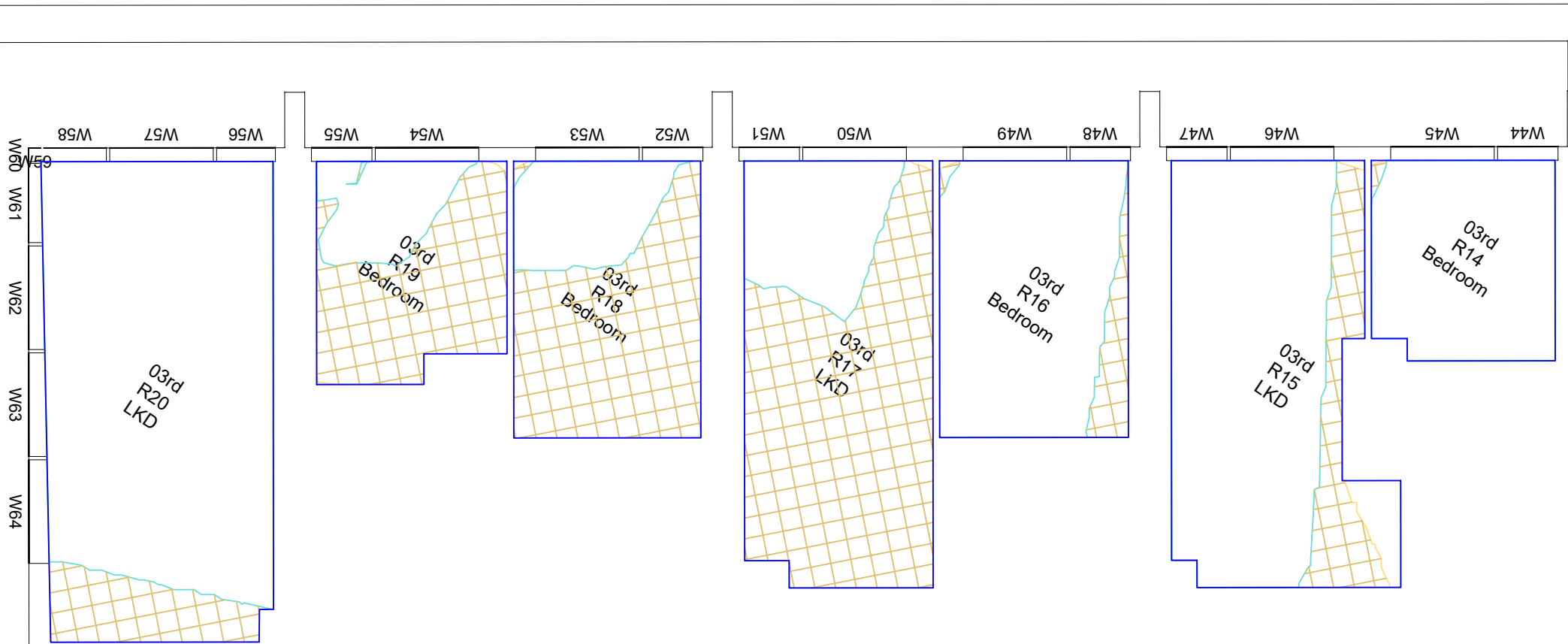
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Urbanbubble Limited

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DW	DW	08/01/2026
SCALE @ A3	PROJECT NUMBER	
NTS	EKA251011	
DRAWING NUMBER		REV
DD03.2		H



Tower 3 - Third Floor



Daylight Distribution /
No Sky Line Contours

REV	DATE	DESCRIPTION	DB	CB
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- KEY**
- Buildings Assessed
 - Existing Buildings
 - Proposed Development
 - Existing Contour
 - Proposed Contour
 - Area of Light Loss

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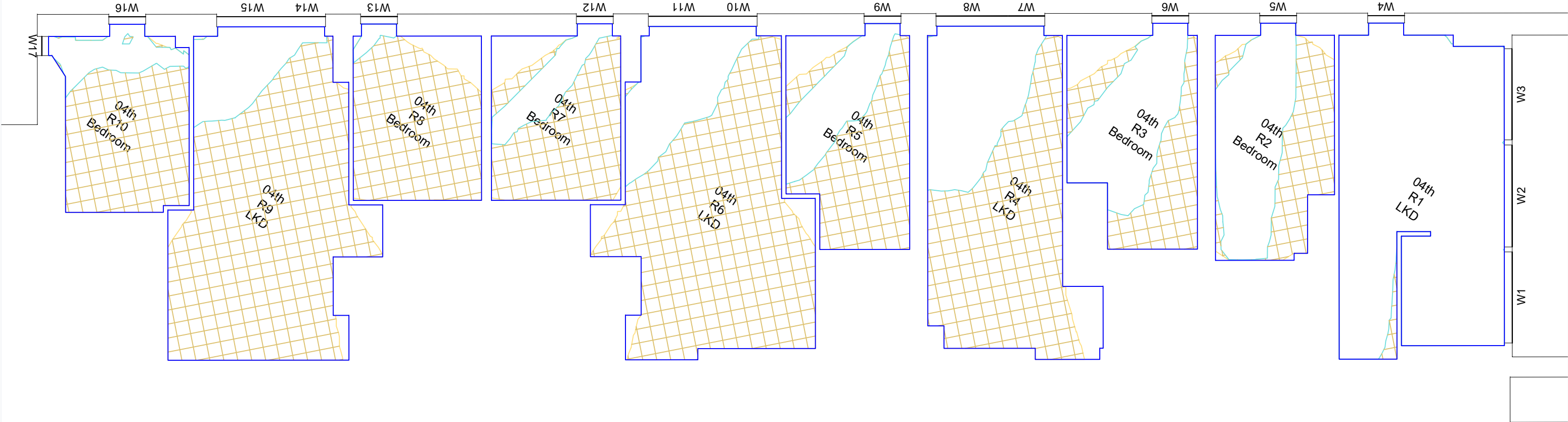
TITLE
Oxygen Towers
Existing vs Proposed (+EC SRF update)

PROJECT
Stocktons, Manchester

CLIENT
Urbanbubble Limited

DRAWN BY DW	CHECKED BY DW	DATE 08/01/2026
SCALE @ A3 NTS		PROJECT NUMBER EKA251011
DRAWING NUMBER DD03.3		REV H





Tower 1 - Fourth Floor

Daylight Distribution /
No Sky Line Contours

REV	DATE	DESCRIPTION	DB	CB
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Buildings Assessed


Existing Buildings


Proposed Development


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Area of Light Loss

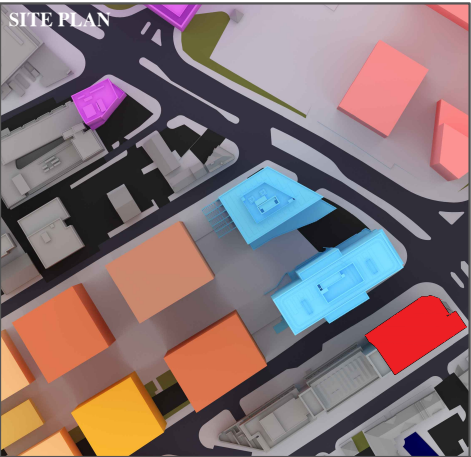
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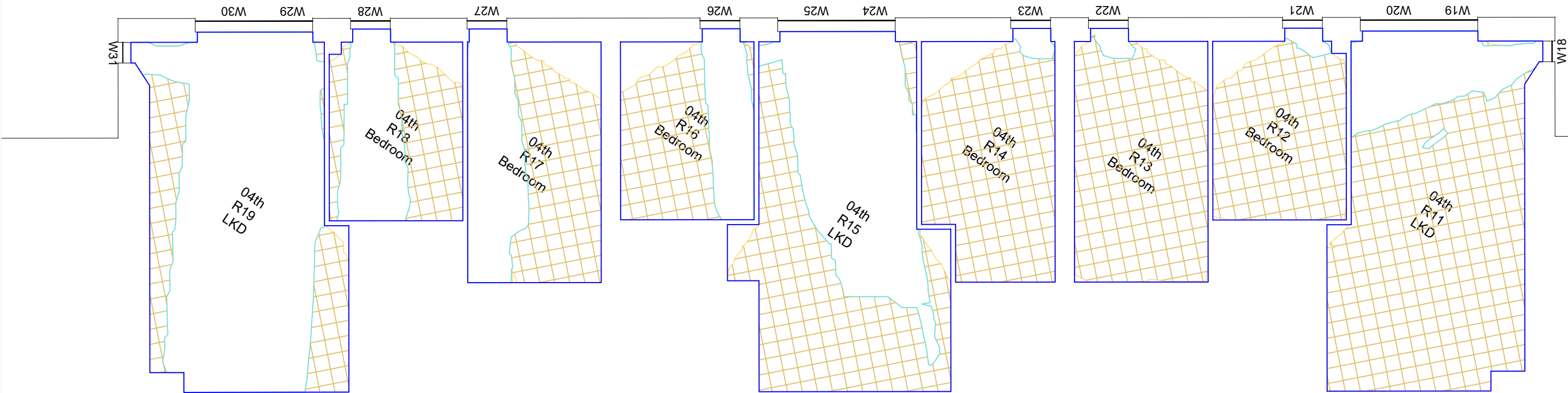
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Oxygen Towers
Existing vs Proposed (+EC SRF update)

PROJECT
Stocktons, Manchester

CLIENT Urbanbubble Limited		
DRAWN BY DW	CHECKED BY DW	DATE 08/01/2026
SCALE @ A3 NTS		PROJECT NUMBER EKA251011
DRAWING NUMBER DD04.1		REV H





Tower 2 - Fourth Floor

Daylight Distribution /
No Sky Line Contours

REV	DATE	DESCRIPTION	DB	CB
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KEY


Buildings Assessed


Existing Buildings


Proposed Development


Existing Contour


Proposed Contour


Area of Light Loss

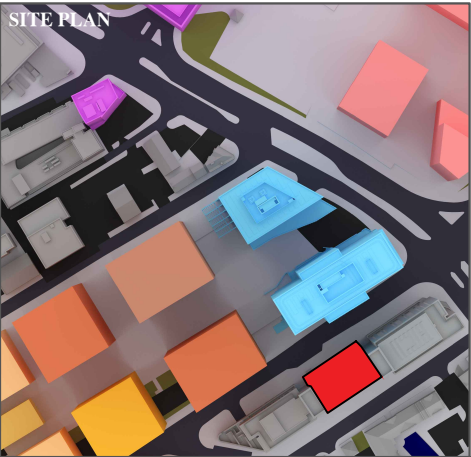
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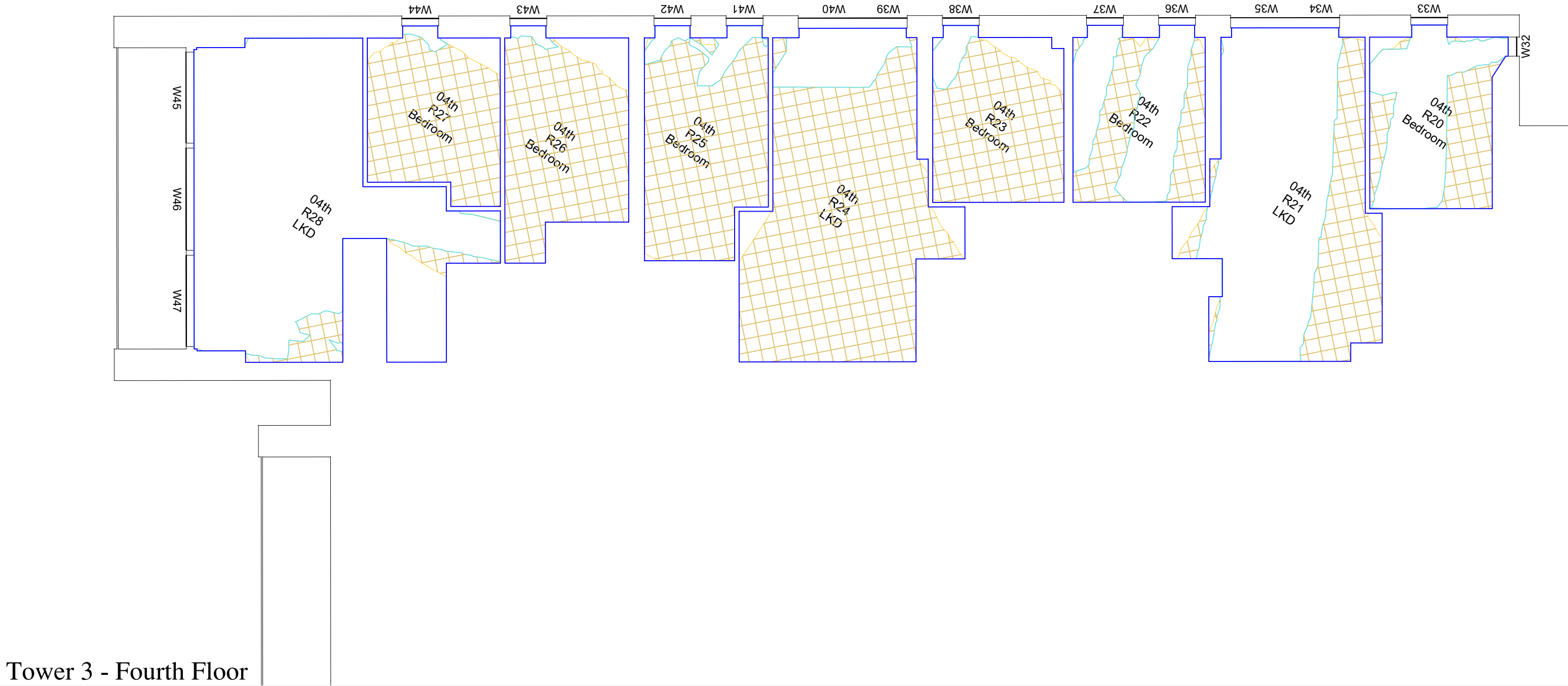
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Oxygen Towers
Existing vs Proposed (+EC SRF update)

PROJECT
Stocktons, Manchester

CLIENT Urbanbubble Limited		
DRAWN BY DW	CHECKED BY DW	DATE 08/01/2026
SCALE @ A3 NTS	PROJECT NUMBER EKA251011	
DRAWING NUMBER DD04.2		REV H





Daylight Distribution /
No Sky Line Contours

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- Existing Buildings
- Proposed Development
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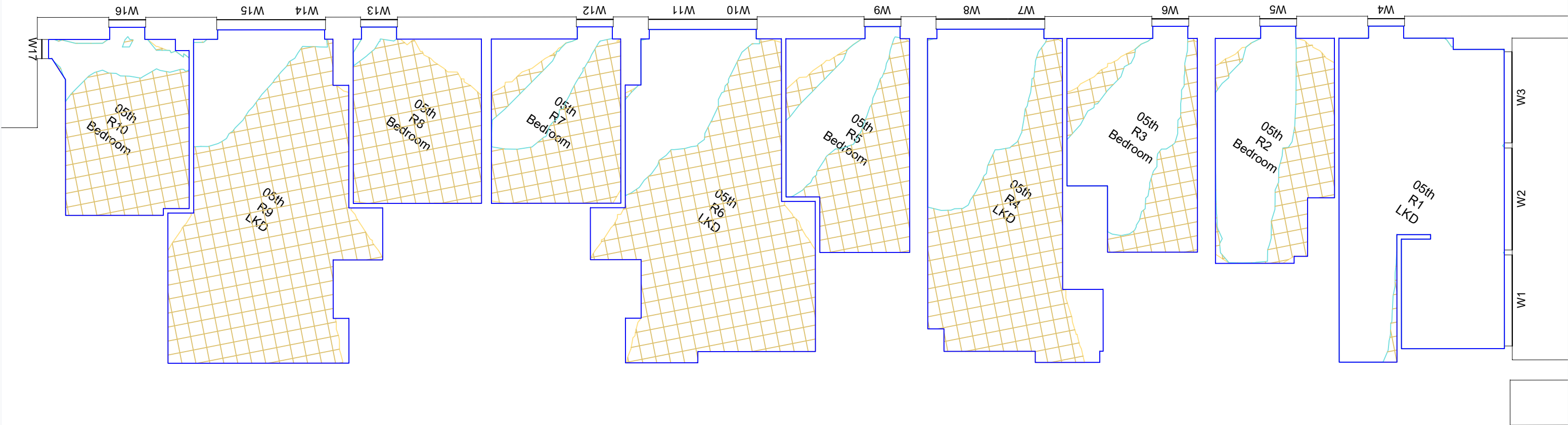
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PROJECT Stocktons, Manchester		
CLIENT Urbanbubble Limited		
DRAWN BY DW	CHECKED BY DW	DATE 08/01/2026
SCALE @ A3 NTS	PROJECT NUMBER EKA251011	
DRAWING NUMBER DD04.3		REV H





Tower 1 - Fifth Floor

Daylight Distribution /
No Sky Line Contours

REV	DATE	DESCRIPTION	DB	CB
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KEY


Buildings Assessed


Existing Buildings


Proposed Development


Existing Contour


Proposed Contour


Area of Light Loss

SOURCES OF INFORMATION

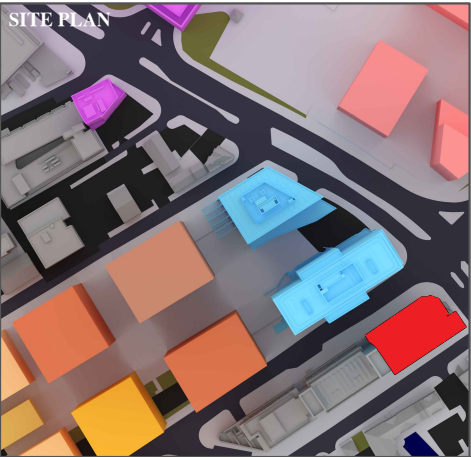
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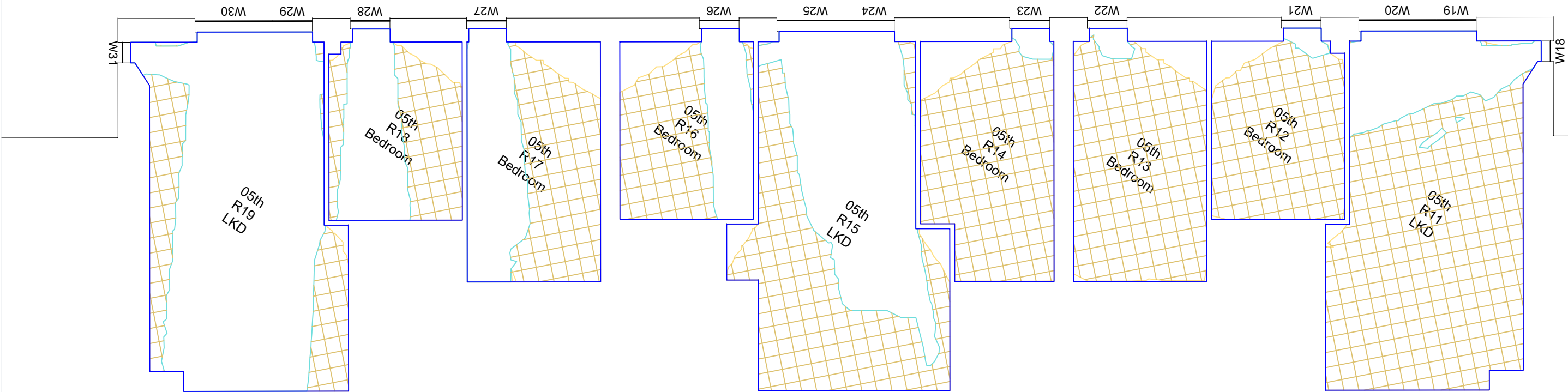
TITLE
Oxygen Towers
Existing vs Proposed (+EC SRF update)

PROJECT
Stocktons, Manchester

CLIENT
Urbanbubble Limited

DRAWN BY DW	CHECKED BY DW	DATE 08/01/2026
SCALE @ A3 NTS		PROJECT NUMBER EKA251011
DRAWING NUMBER DD05.1		REV H





Tower 2 - Fifth Floor

Daylight Distribution /
No Sky Line Contours

REV	DATE	DESCRIPTION	DB	CB
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KEY


Buildings Assessed


Existing Buildings


Proposed Development


Existing Contour


Proposed Contour


Area of Light Loss

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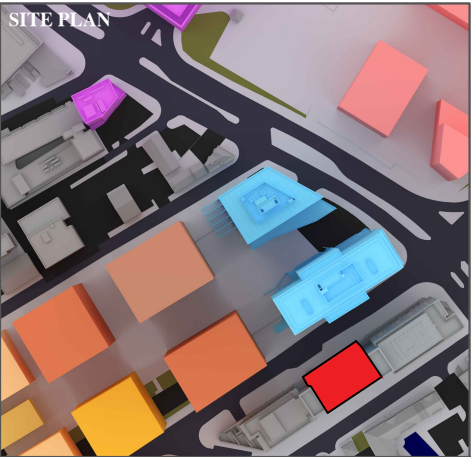
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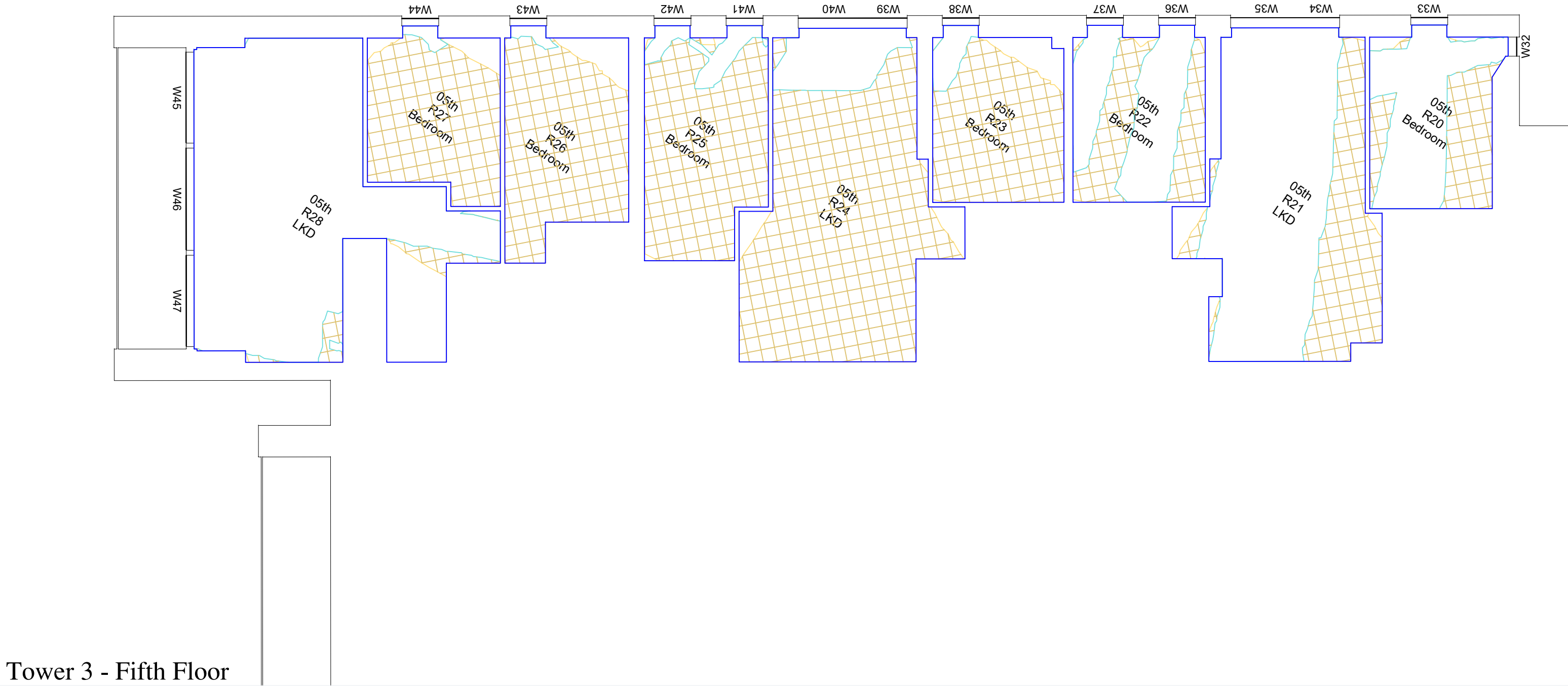
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Existing vs Proposed (+EC SRF update)

PROJECT
Stocktons, Manchester

CLIENT
Urbanbubble Limited

DRAWN BY DW	CHECKED BY DW	DATE 08/01/2026
SCALE @ A3 NTS		PROJECT NUMBER EKA251011
DRAWING NUMBER DD05.2		REV H





Tower 3 - Fifth Floor

Daylight Distribution /
No Sky Line Contours

REV	DATE	DESCRIPTION	DB	CB
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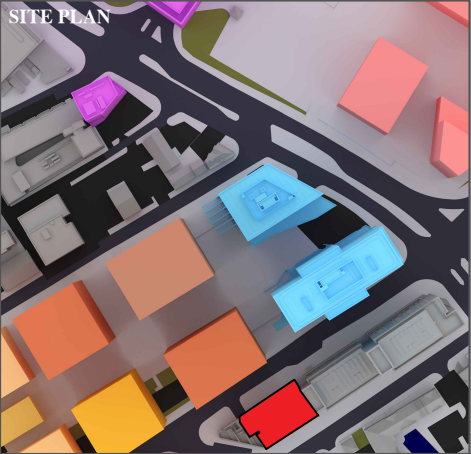
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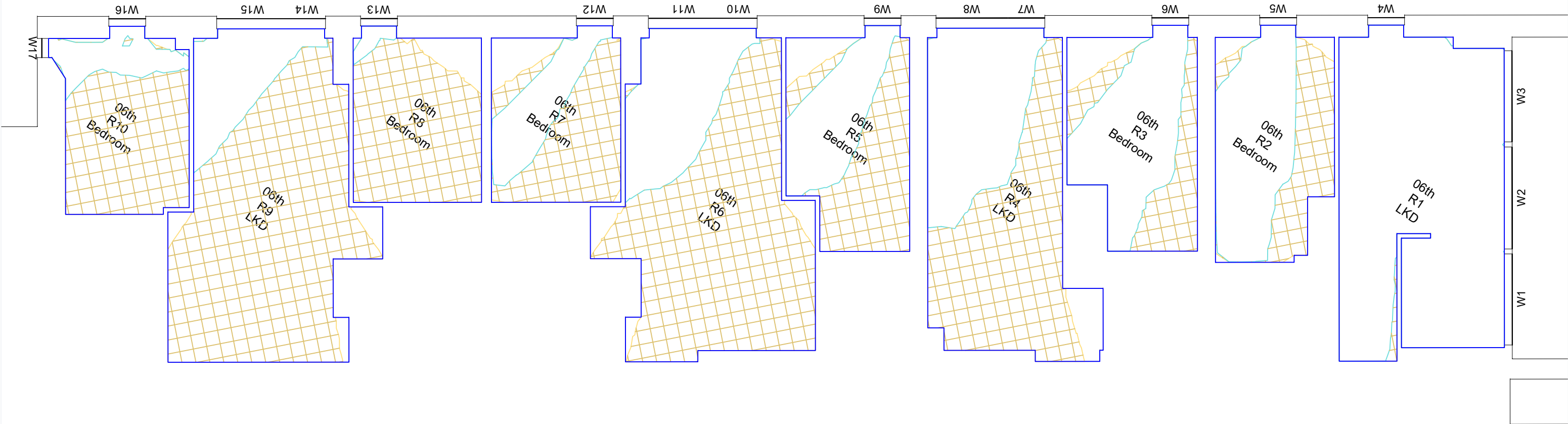
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CLIENT Urbanbubble Limited		
DRAWN BY DW	CHECKED BY DW	DATE 08/01/2026
SCALE @ A3 NTS	PROJECT NUMBER EKA251011	
DRAWING NUMBER DD05.3		REV H





Tower 1 - Sixth Floor

Daylight Distribution /
No Sky Line Contours

REV	DATE	DESCRIPTION	DB	CB
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Buildings Assessed


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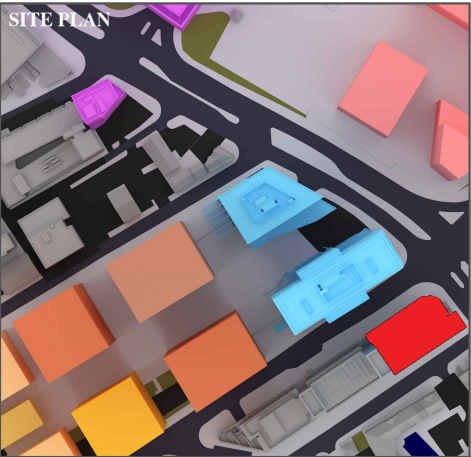
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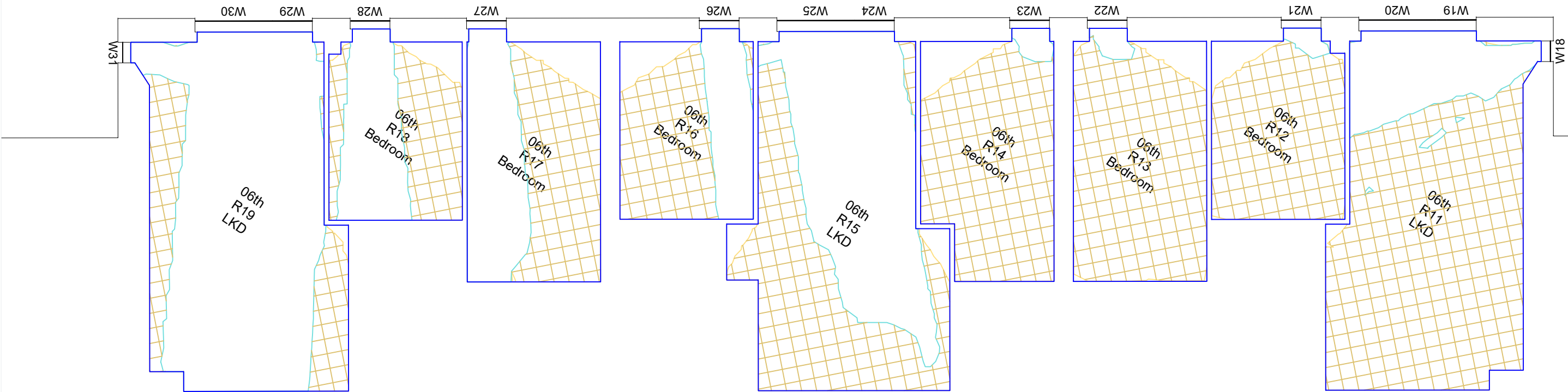
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Oxygen Towers
Existing vs Proposed (+EC SRF update)

PROJECT
Stocktons, Manchester

CLIENT		
Urbanbubble Limited		
DRAWN BY DW	CHECKED BY DW	DATE 08/01/2026
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DRAWING NUMBER DD06.1		REV H





Tower 2 - Sixth Floor

Daylight Distribution /
No Sky Line Contours

REV	DATE	DESCRIPTION	DB	CB
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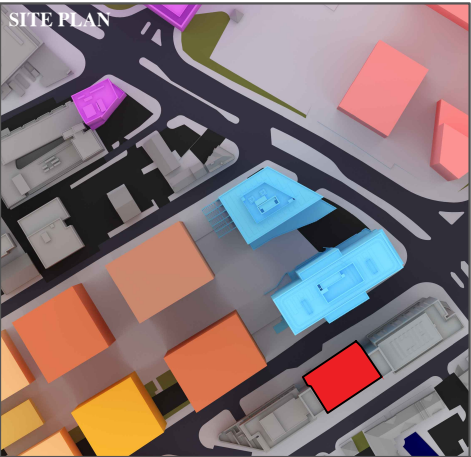
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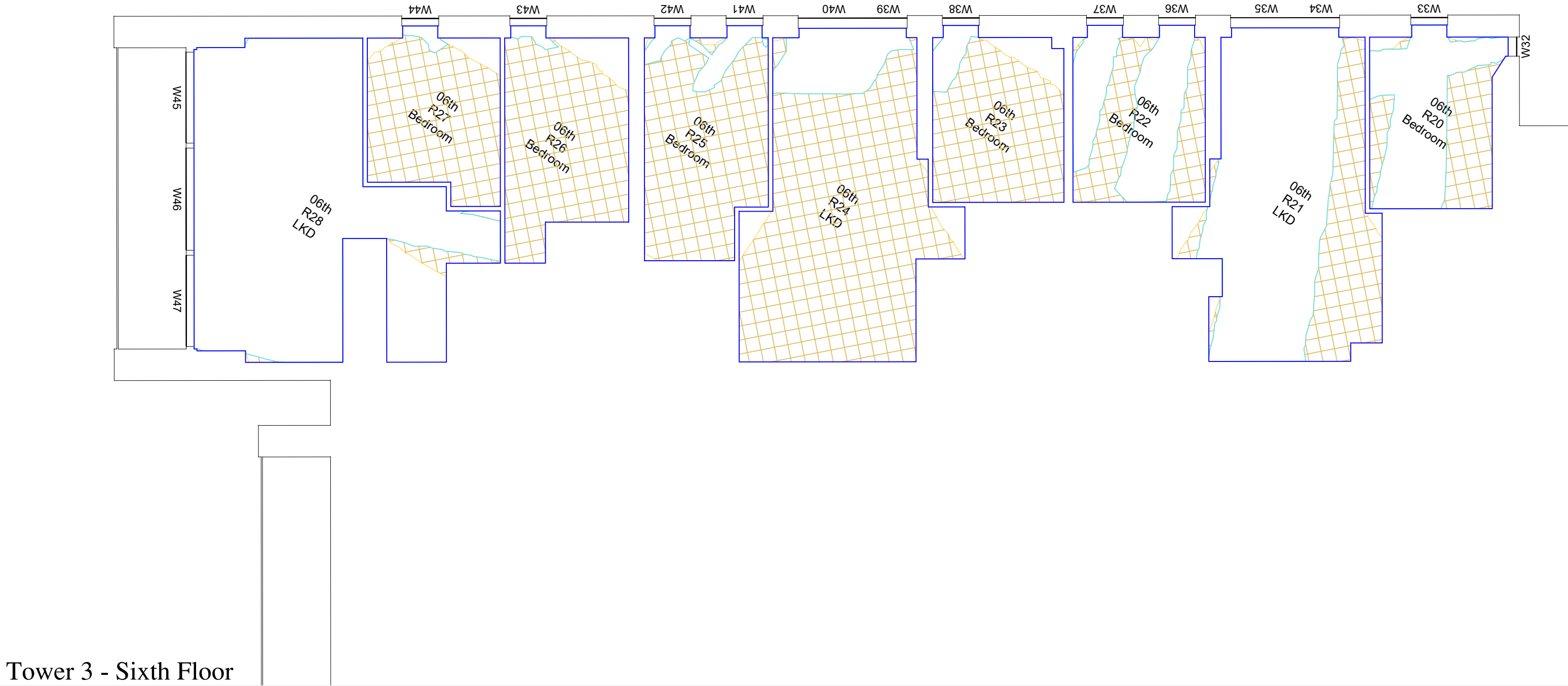
Stocktons, Manchester

CLIENT

Urbanbubble Limited

DRAWN BY DW	CHECKED BY DW	DATE 08/01/2026
SCALE @ A3 NTS		PROJECT NUMBER EKA251011
DRAWING NUMBER DD06.2		REV H





Daylight Distribution /
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REV	DATE	DESCRIPTION	DB	CB
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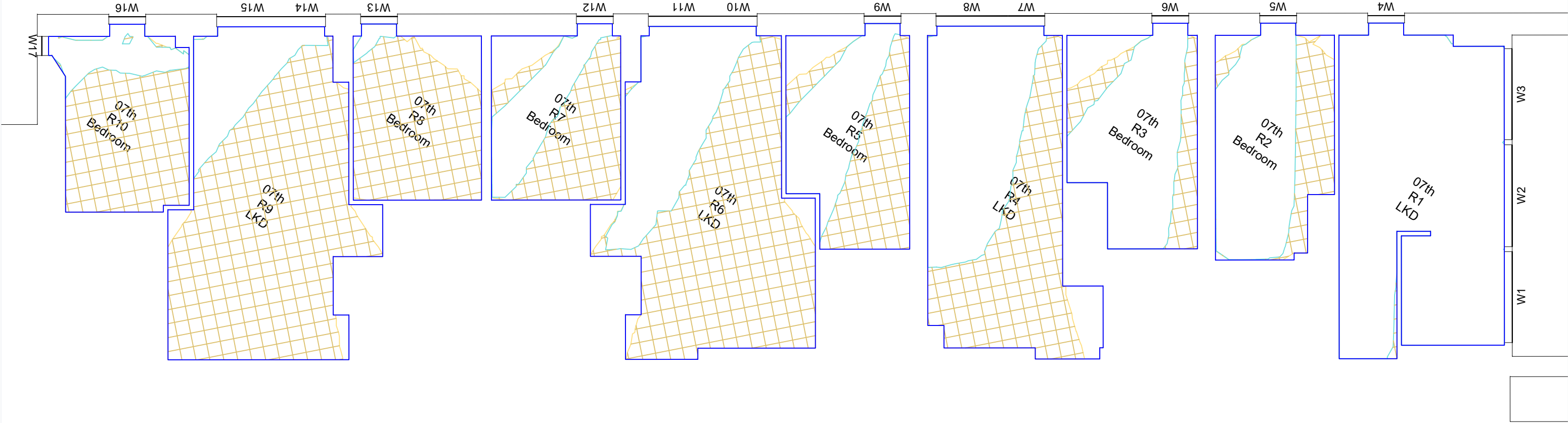
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PROJECT
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CLIENT
Urbanbubble Limited

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SCALE @ A3 NTS		PROJECT NUMBER EKA251011
DRAWING NUMBER DD06.3		REV H





Tower 1 - Seventh Floor

Daylight Distribution /
No Sky Line Contours

REV	DATE	DESCRIPTION	DB	CB
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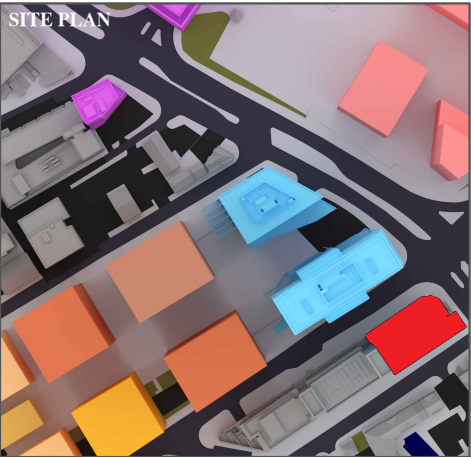
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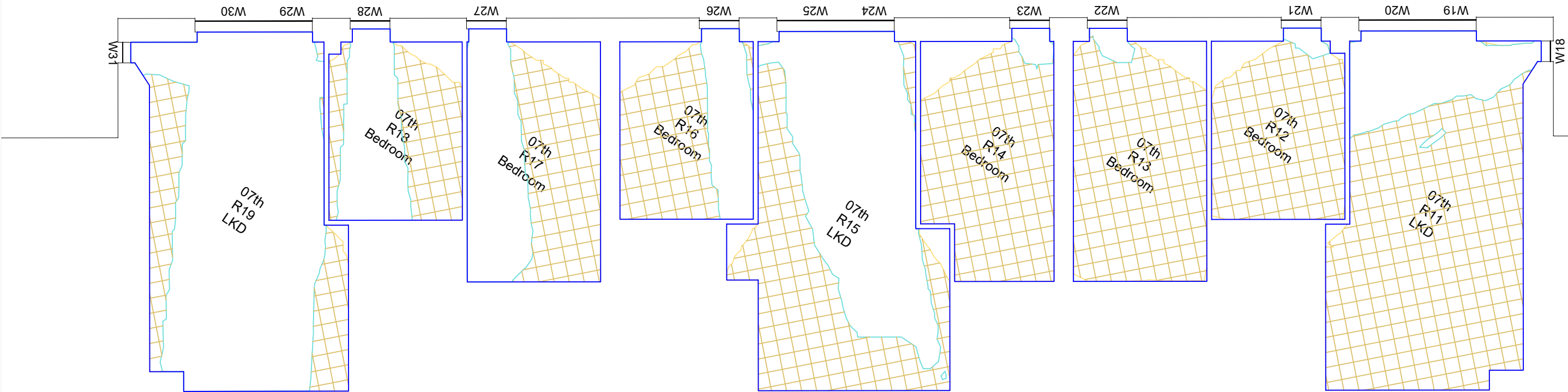
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DRAWING NUMBER DD07.1		REV H





Tower 2 - Seventh Floor

Daylight Distribution /
No Sky Line Contours

REV	DATE	DESCRIPTION	DB	CB
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Akt. Rights to Light Surveyors Limited
Add: 26 Store Street, London WC1E 7BT
Tel: 0203 488 0516 Mob: 07840 848 570
www.rightstolightsurveyor-london.com

KEY


Buildings Assessed


Existing Buildings


Proposed Development


Existing Contour


Proposed Contour


Area of Light Loss

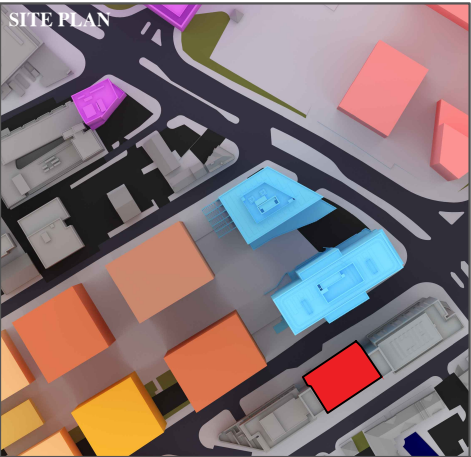
SOURCES OF INFORMATION

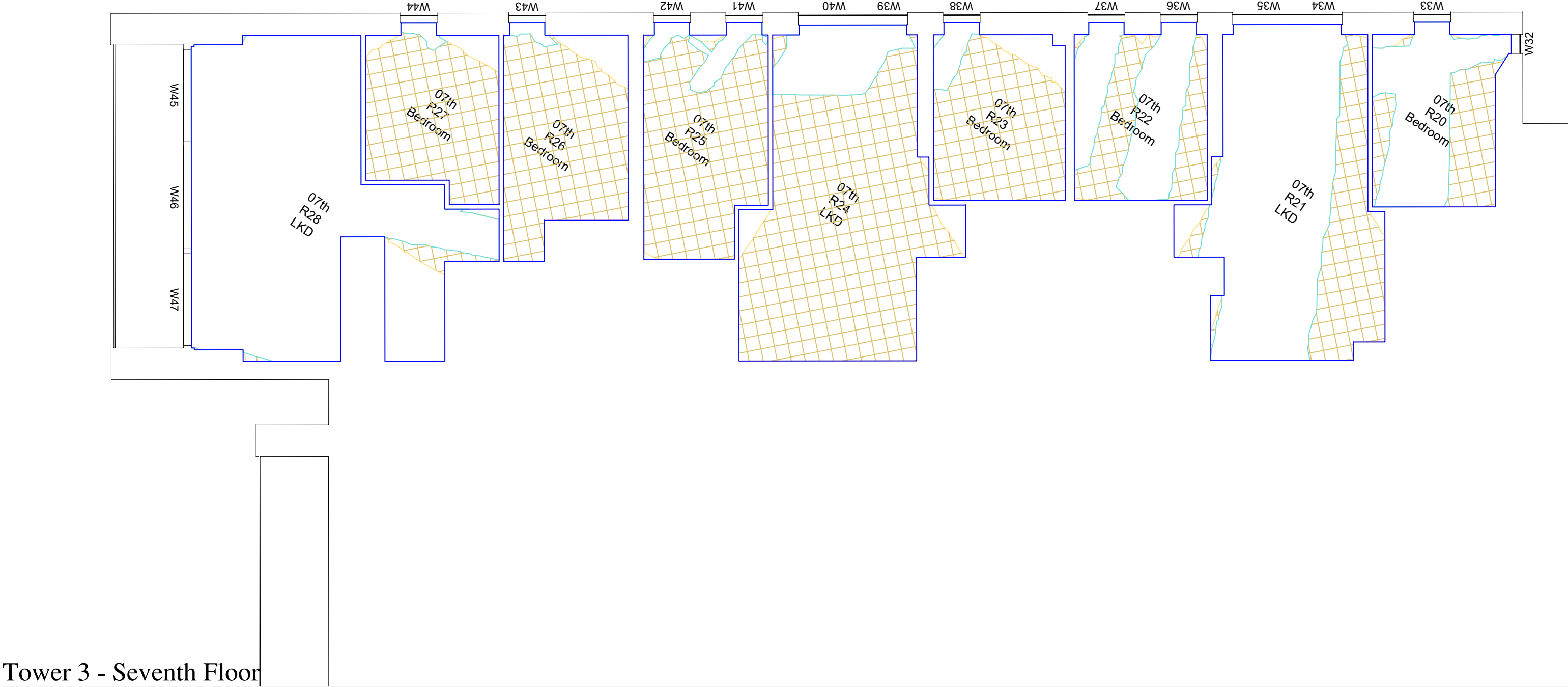
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TITLE
Oxygen Towers
Existing vs Proposed (+EC SRF update)

PROJECT
Stocktons, Manchester

CLIENT Urbanbubble Limited		
DRAWN BY DW	CHECKED BY DW	DATE 08/01/2026
SCALE @ A3 NTS	PROJECT NUMBER EKA251011	
DRAWING NUMBER DD07.2		REV H





Tower 3 - Seventh Floor

Daylight Distribution /
No Sky Line Contours

REV	DATE	DESCRIPTION	DB	CB
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KEY


Buildings Assessed


Existing Buildings


Proposed Development


Existing Contour


Proposed Contour


Area of Light Loss

SOURCES OF INFORMATION

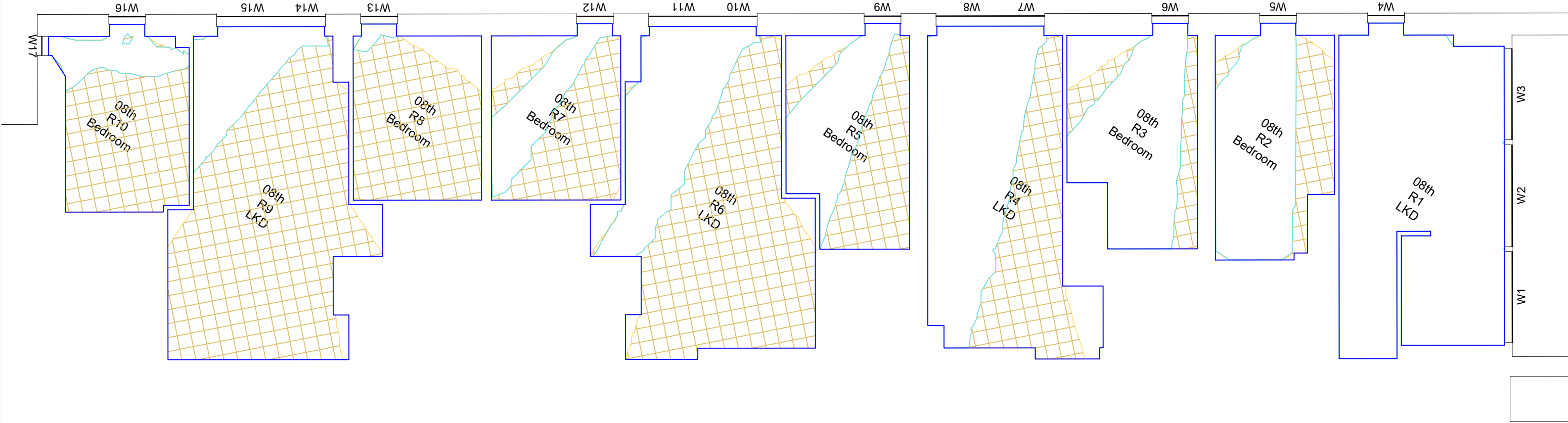
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TITLE
Oxygen Towers
Existing vs Proposed (+EC SRF update)

PROJECT
Stocktons, Manchester

CLIENT		
Urbanbubble Limited		
DRAWN BY DW	CHECKED BY DW	DATE 08/01/2026
SCALE @ A3 NTS	PROJECT NUMBER EKA251011	
DRAWING NUMBER DD07.3		REV H





Tower 1 - Eighth Floor

Daylight Distribution /
No Sky Line Contours

REV	DATE	DESCRIPTION	DB	CB
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KEY


Buildings Assessed


Existing Buildings


Proposed Development


Existing Contour


Proposed Contour


Area of Light Loss

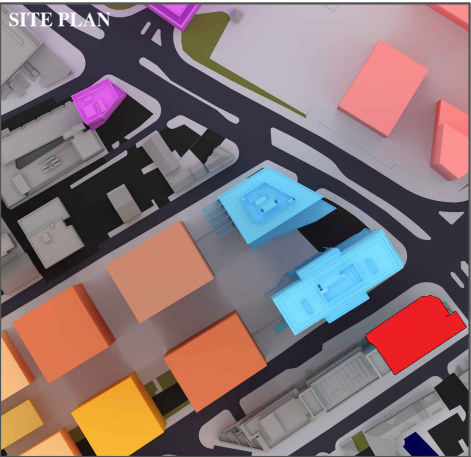
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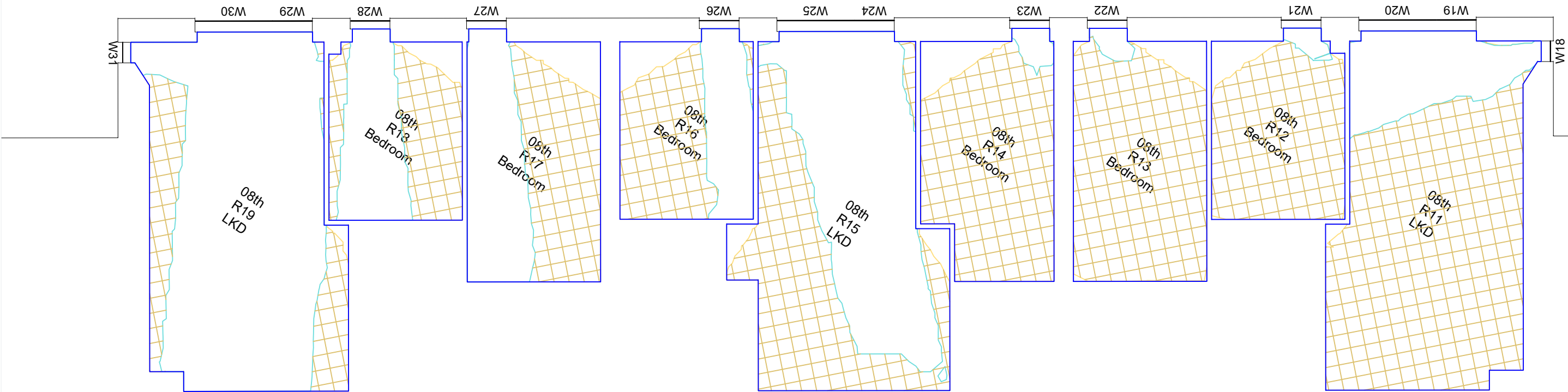
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TITLE
Oxygen Towers
Existing vs Proposed (+EC SRF update)

PROJECT
Stocktons, Manchester

CLIENT Urbanbubble Limited		
DRAWN BY DW	CHECKED BY DW	DATE 08/01/2026
SCALE @ A3 NTS		PROJECT NUMBER EKA251011
DRAWING NUMBER DD08.1		REV H





Tower 2 - Eighth Floor

Daylight Distribution /
No Sky Line Contours

REV	DATE	DESCRIPTION	DB	CB
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KEY


Buildings Assessed


Existing Buildings


Proposed Development


Existing Contour


Proposed Contour


Area of Light Loss

SOURCES OF INFORMATION

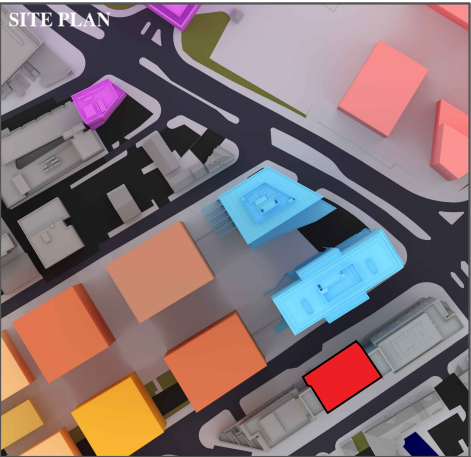
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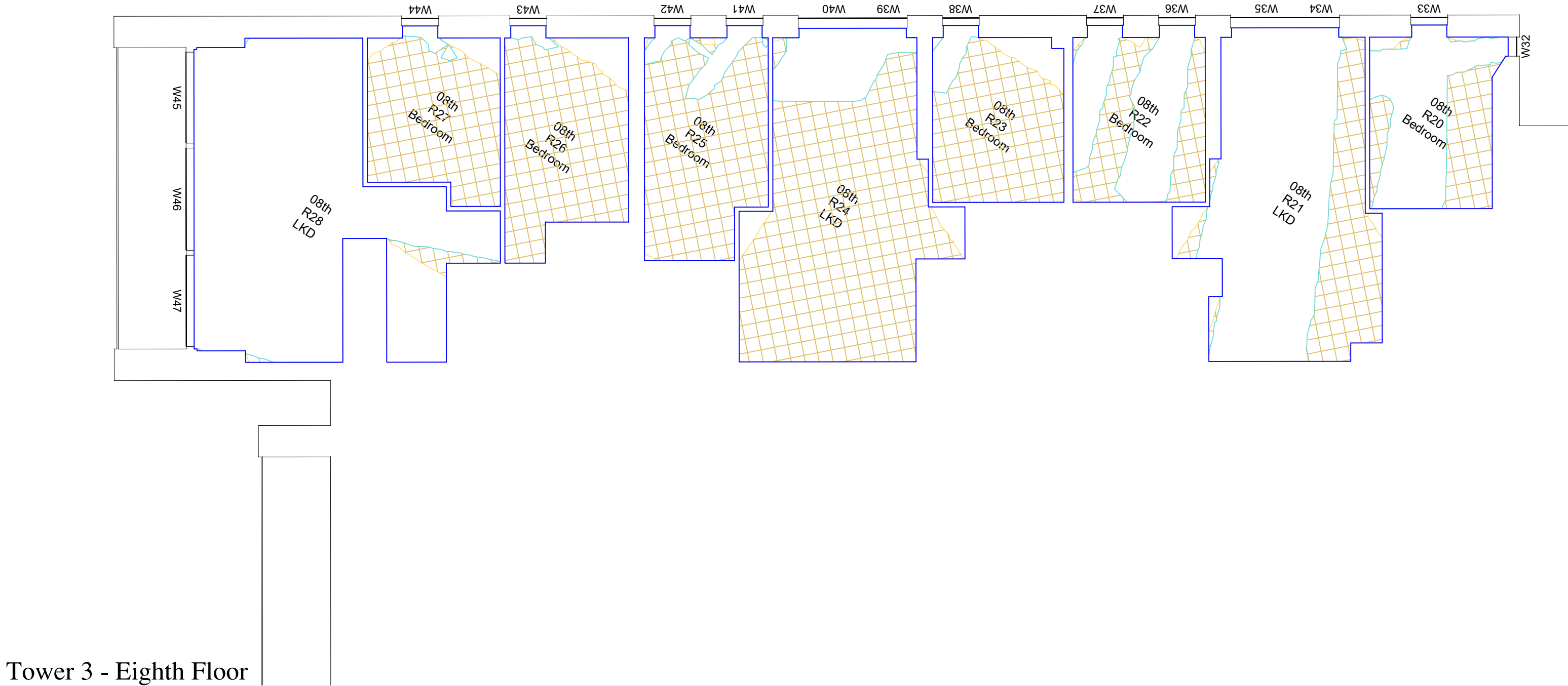
TITLE
Oxygen Towers
Existing vs Proposed (+EC SRF update)

PROJECT
Stocktons, Manchester

CLIENT
Urbanbubble Limited

DRAWN BY DW	CHECKED BY DW	DATE 08/01/2026
SCALE @ A3 NTS		PROJECT NUMBER EKA251011
DRAWING NUMBER DD08.2		REV H





Tower 3 - Eighth Floor

Daylight Distribution /
No Sky Line Contours

REV	DATE	DESCRIPTION	DB	CB
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KEY

- Buildings Assessed
- Existing Buildings
- Proposed Development
- Existing Contour
- Proposed Contour
- Area of Light Loss

SOURCES OF INFORMATION

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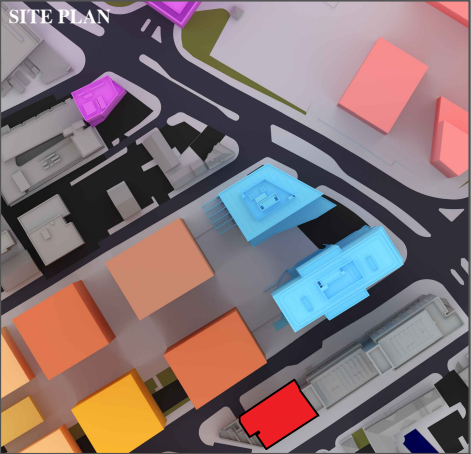
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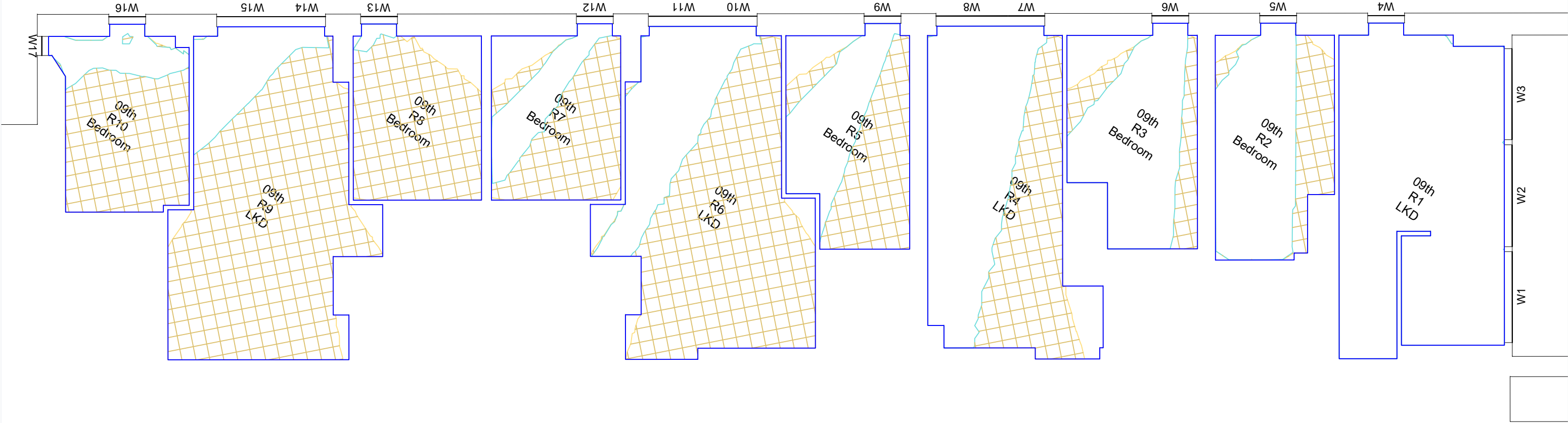
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TITLE Oxygen Towers Existing vs Proposed (+EC SRF update)		
PROJECT Stocktons, Manchester		
CLIENT Urbanbubble Limited		
DRAWN BY DW	CHECKED BY DW	DATE 08/01/2026
SCALE @ A3 NTS	PROJECT NUMBER EKA251011	
DRAWING NUMBER DD08.3		REV H





Tower 1 - Ninth Floor

Daylight Distribution /
No Sky Line Contours

REV	DATE	DESCRIPTION	DB	CB
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KEY


Buildings Assessed


Existing Buildings


Proposed Development


Existing Contour


Proposed Contour


Area of Light Loss

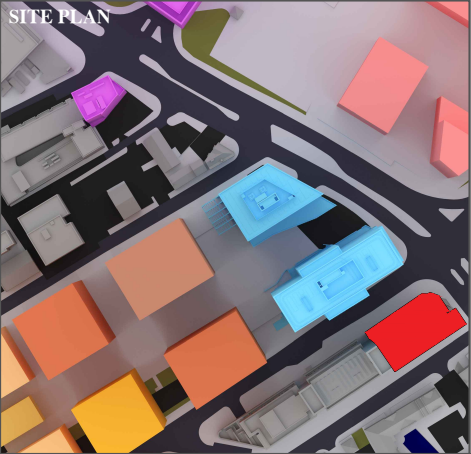
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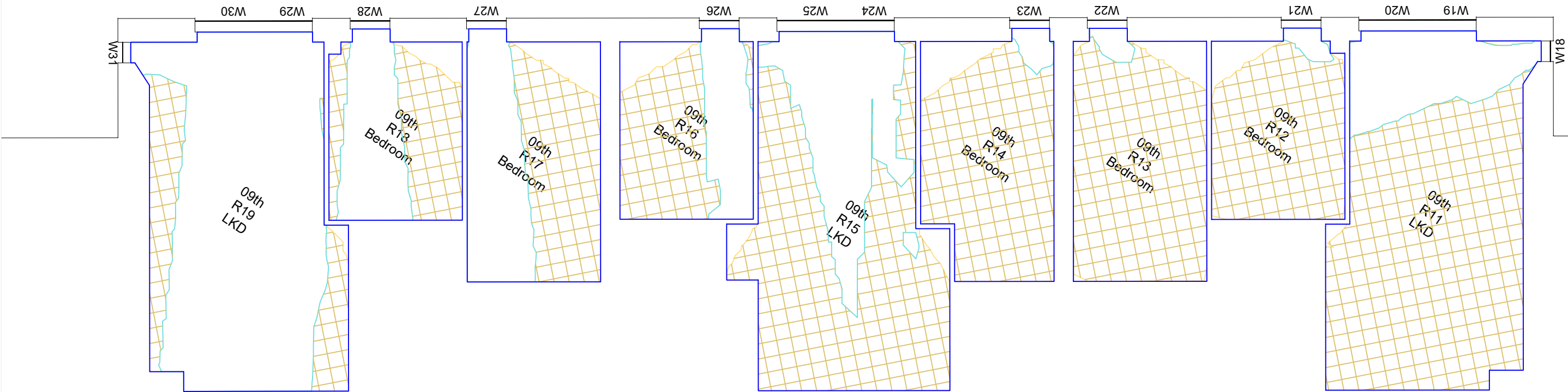
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TITLE
Oxygen Towers
Existing vs Proposed (+EC SRF update)

PROJECT
Stocktons, Manchester

CLIENT Urbanbubble Limited		
DRAWN BY DW	CHECKED BY DW	DATE 08/01/2026
SCALE @ A3 NTS		PROJECT NUMBER EKA251011
DRAWING NUMBER DD09.1		REV H





Tower 2 - Ninth Floor

Daylight Distribution /
No Sky Line Contours

REV	DATE	DESCRIPTION	DB	CB
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KEY


Buildings Assessed


Existing Buildings


Proposed Development


Existing Contour


Proposed Contour


Area of Light Loss

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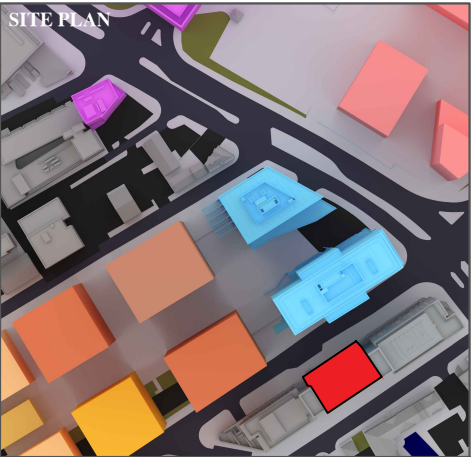
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TITLE Oxygen Towers Existing vs Proposed (+EC SRF update)		
PROJECT Stocktons, Manchester		
CLIENT Urbanbubble Limited		
DRAWN BY DW	CHECKED BY DW	DATE 08/01/2026
SCALE @ A3 NTS	PROJECT NUMBER EKA251011	
DRAWING NUMBER DD09.2		REV H





Tower 3 - Ninth Floor

Daylight Distribution /
No Sky Line Contours

REV	DATE	DESCRIPTION	DB	CB
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Buildings Assessed


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Proposed Development


Existing Contour


Proposed Contour


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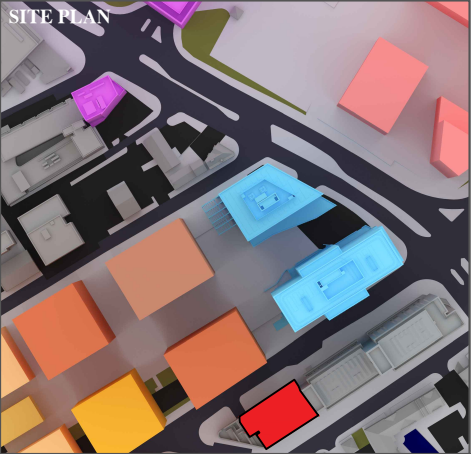
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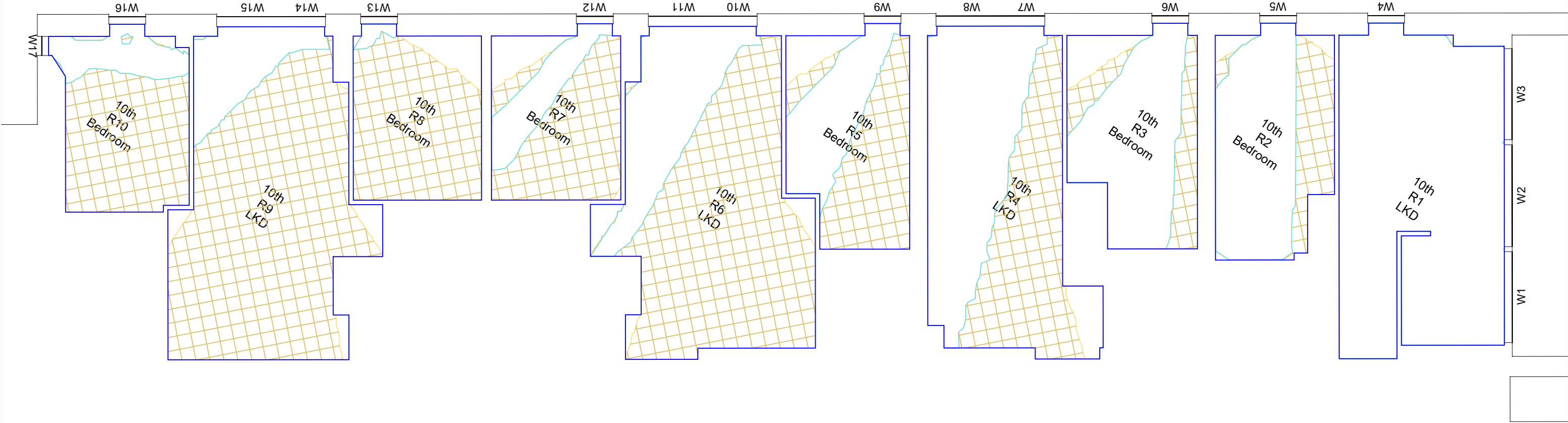
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PROJECT Stocktons, Manchester		
CLIENT Urbanbubble Limited		
DRAWN BY DW	CHECKED BY DW	DATE 08/01/2026
SCALE @ A3 NTS	PROJECT NUMBER EKA251011	
DRAWING NUMBER DD09.3		REV H





Tower 1 - Ninth Floor

Daylight Distribution /
No Sky Line Contours

REV	DATE	DESCRIPTION	DB	CB
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KEY


Buildings Assessed


Existing Buildings


Proposed Development


Existing Contour


Proposed Contour


Area of Light Loss

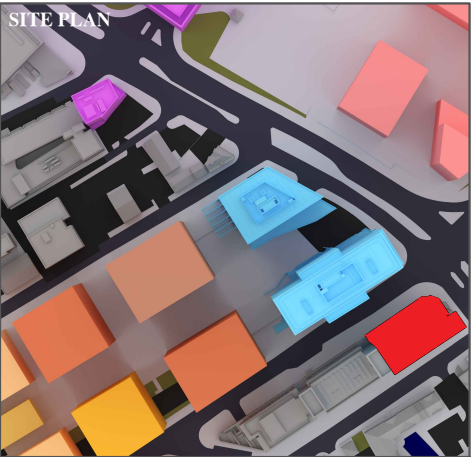
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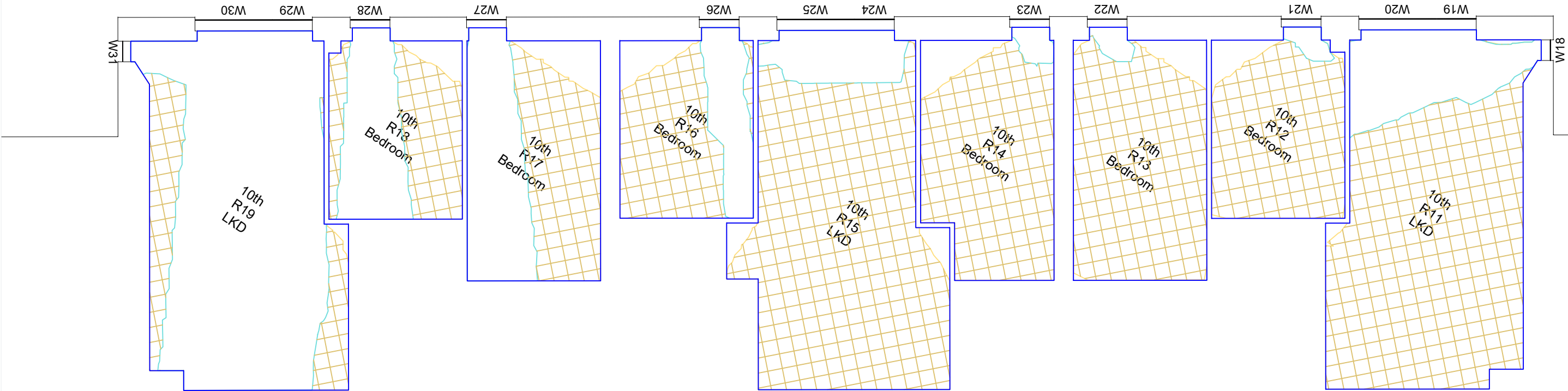
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Oxygen Towers
Existing vs Proposed (+EC SRF update)

PROJECT
Stocktons, Manchester

CLIENT Urbanbubble Limited		
DRAWN BY DW	CHECKED BY DW	DATE 08/01/2026
SCALE @ A3 NTS		PROJECT NUMBER EKA251011
DRAWING NUMBER DD10.1		REV H





Tower 2 - Tenth Floor

Daylight Distribution /
No Sky Line Contours

REV	DATE	DESCRIPTION	DB	CB
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KEY


Buildings Assessed


Existing Buildings


Proposed Development


Existing Contour


Proposed Contour


Area of Light Loss

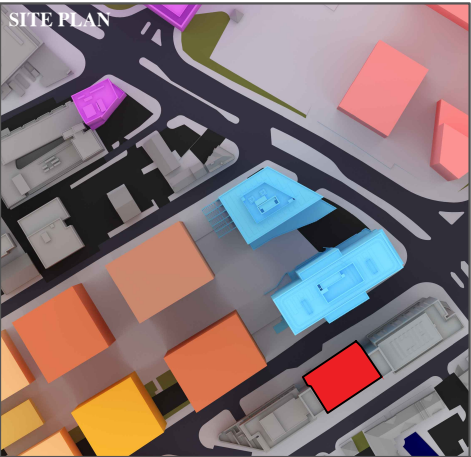
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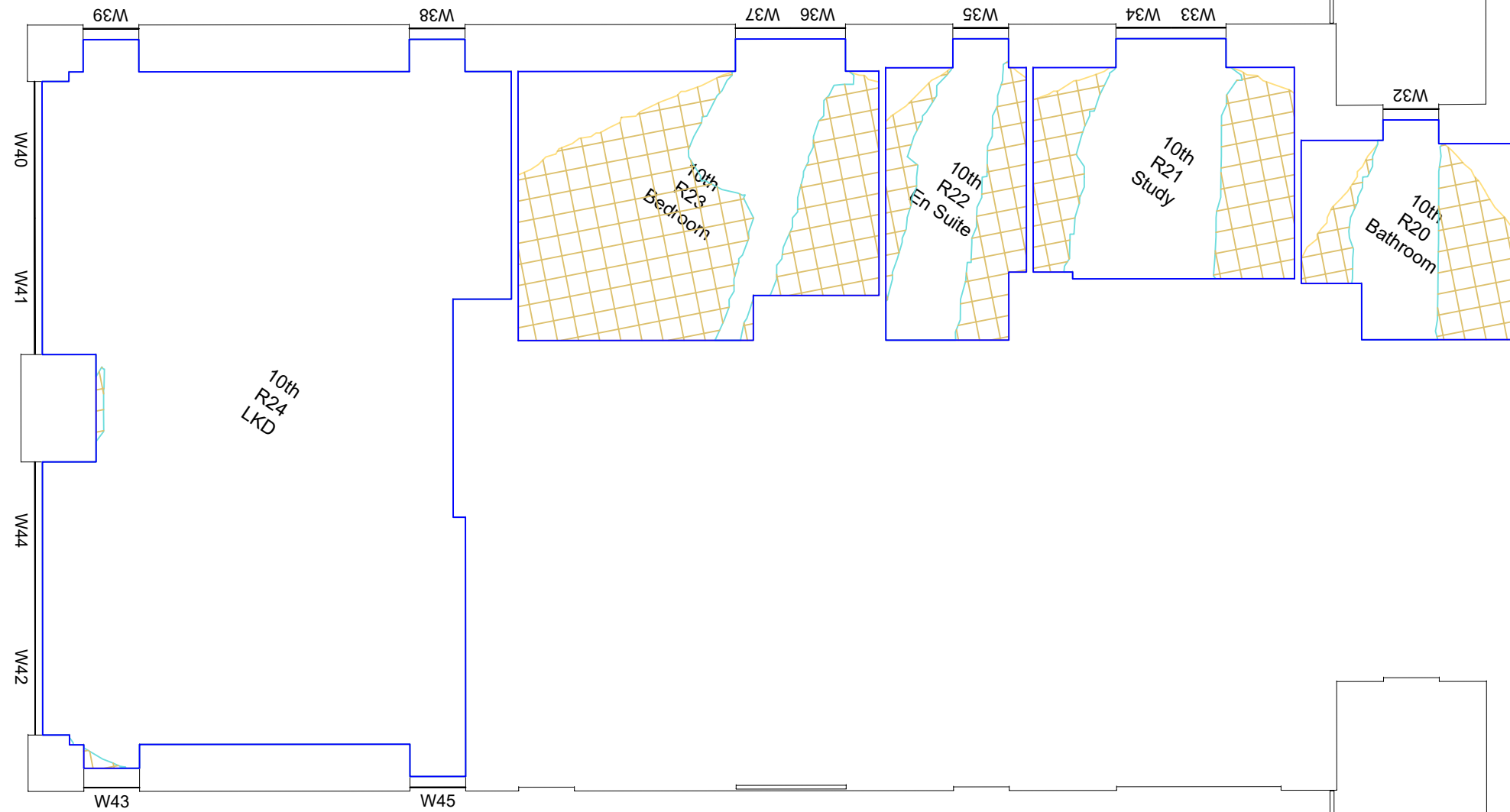
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Oxygen Towers
Existing vs Proposed (+EC SRF update)

PROJECT
Stocktons, Manchester

CLIENT Urbanbubble Limited		
DRAWN BY DW	CHECKED BY DW	DATE 08/01/2026
SCALE @ A3 NTS	PROJECT NUMBER EKA251011	
DRAWING NUMBER DD10.2		REV H



Tower 3 - Tenth Floor



Daylight Distribution /
No Sky Line Contours

REV	DATE	DESCRIPTION	DB	CB
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Tel: 0203 488 0516 Mob: 07840 848 570
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KEY

- Buildings Assessed
- Existing Buildings
- Proposed Development
- Existing Contour
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SOURCES OF INFORMATION

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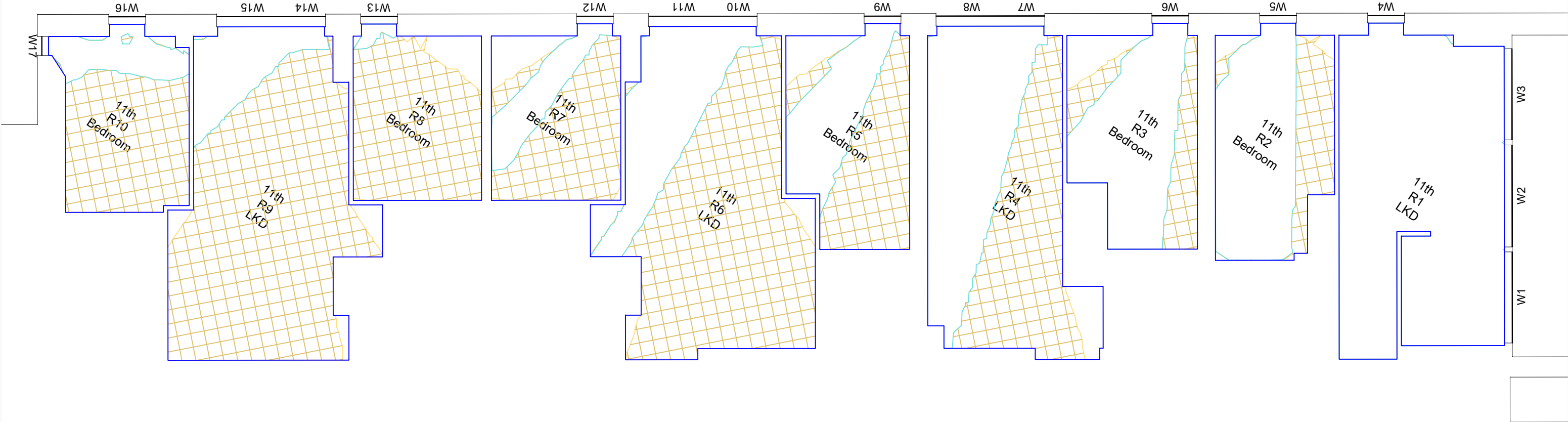
TITLE
Oxygen Towers
Existing vs Proposed (+EC SRF update)

PROJECT
Stocktons, Manchester

CLIENT
Urbanbubble Limited

DRAWN BY DW	CHECKED BY DW	DATE 08/01/2026
SCALE @ A3 NTS		PROJECT NUMBER EKA251011
DRAWING NUMBER DD10.3		REV H





Tower 1 - Eleventh Floor

Daylight Distribution /
No Sky Line Contours

REV	DATE	DESCRIPTION	DB	CB
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KEY


Buildings Assessed


Existing Buildings


Proposed Development


Existing Contour


Proposed Contour


Area of Light Loss

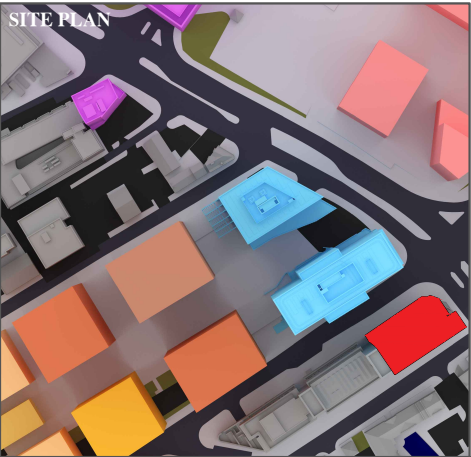
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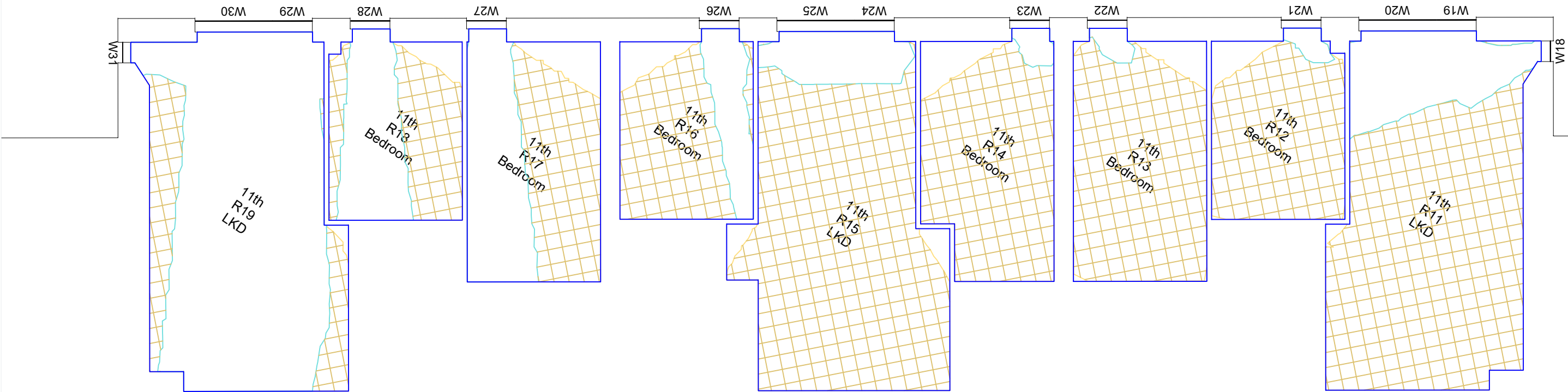
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TITLE
Oxygen Towers
Existing vs Proposed (+EC SRF update)

PROJECT
Stocktons, Manchester

CLIENT Urbanbubble Limited		
DRAWN BY DW	CHECKED BY DW	DATE 08/01/2026
SCALE @ A3 NTS		PROJECT NUMBER EKA251011
DRAWING NUMBER DD11.1		REV H





Tower 2 - Eleventh Floor

Daylight Distribution /
No Sky Line Contours

REV	DATE	DESCRIPTION	DB	CB
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KEY


Buildings Assessed


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Proposed Development


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Proposed Contour


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TITLE

Oxygen Towers
Existing vs Proposed (+EC SRF update)

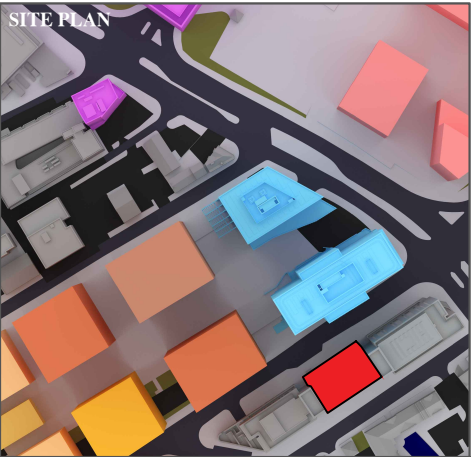
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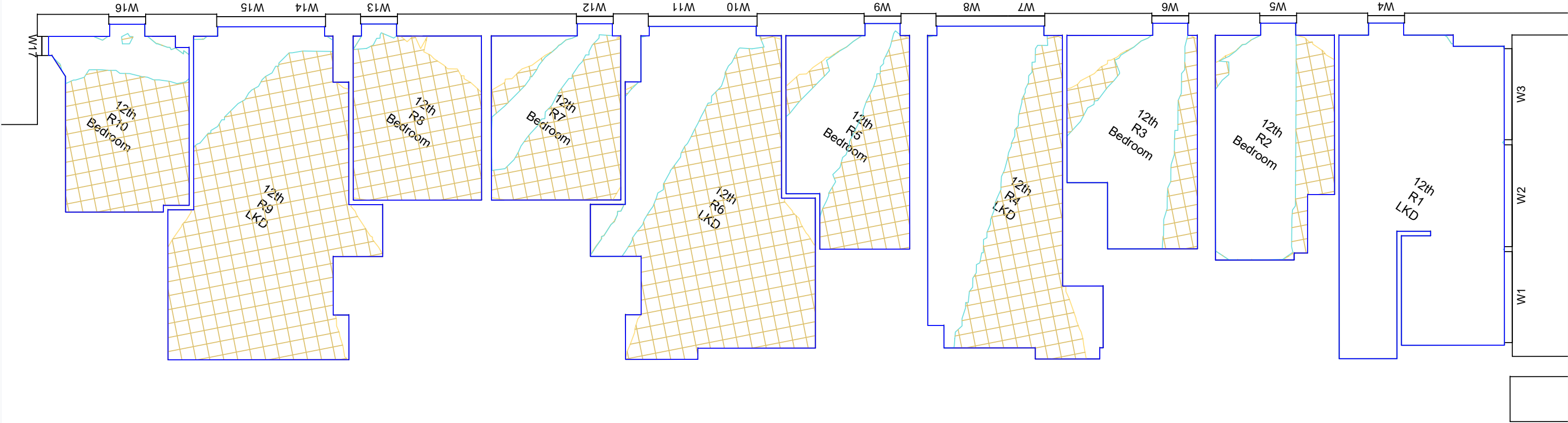
Stocktons, Manchester

CLIENT

Urbanbubble Limited

DRAWN BY DW	CHECKED BY DW	DATE 08/01/2026
SCALE @ A3 NTS		PROJECT NUMBER EKA251011
DRAWING NUMBER DD11.2		REV H





Tower 1 - Twelfth Floor

Daylight Distribution /
No Sky Line Contours

REV	DATE	DESCRIPTION	DB	CB
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Add: 26 Store Street, London WC1E 7BT
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KEY


Buildings Assessed


Existing Buildings


Proposed Development


Existing Contour


Proposed Contour


Area of Light Loss

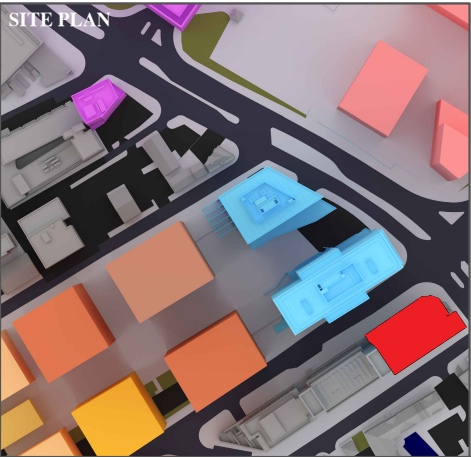
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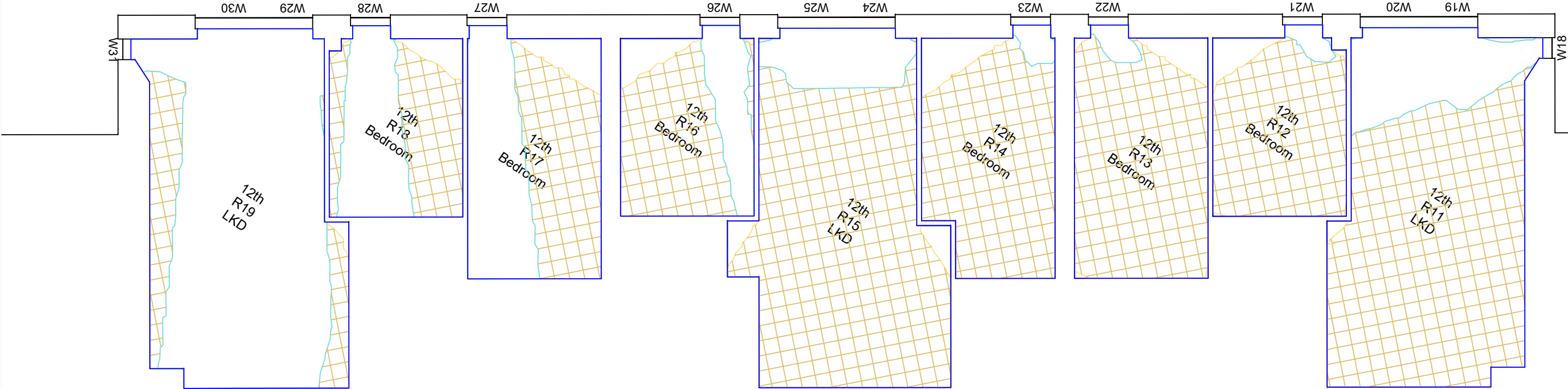
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TITLE
Oxygen Towers
Existing vs Proposed (+EC SRF update)

PROJECT
Stocktons, Manchester

CLIENT		
Urbanbubble Limited		
DRAWN BY DW	CHECKED BY DW	DATE 08/01/2026
SCALE @ A3 NTS	PROJECT NUMBER EKA251011	
DRAWING NUMBER DD12.1		REV H





Tower 2 - Twelfth Floor

Daylight Distribution /
No Sky Line Contours

REV	DATE	DESCRIPTION	DB	CB
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KEY


Buildings Assessed


Existing Buildings


Proposed Development


Existing Contour


Proposed Contour


Area of Light Loss

SOURCES OF INFORMATION

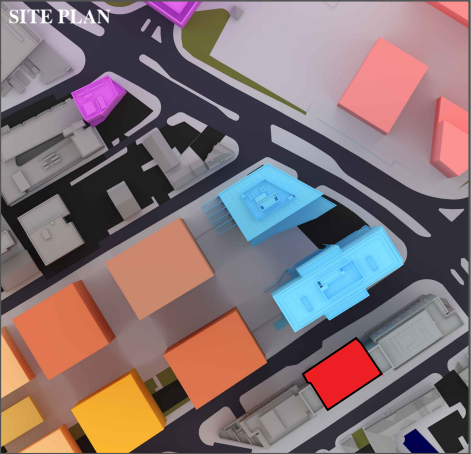
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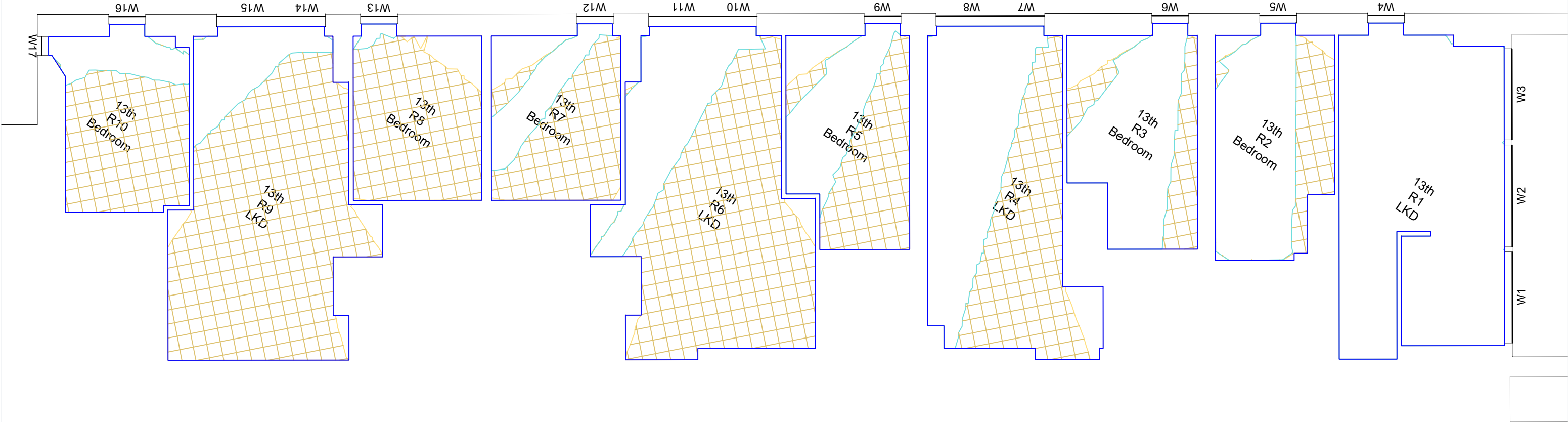
TITLE
Oxygen Towers
Existing vs Proposed (+EC SRF update)

PROJECT
Stocktons, Manchester

CLIENT
Urbanbubble Limited

DRAWN BY DW	CHECKED BY DW	DATE 08/01/2026
SCALE @ A3 NTS		PROJECT NUMBER EKA251011
DRAWING NUMBER DD12.2		REV H





Tower 1 - Thirteenth Floor

Daylight Distribution /
No Sky Line Contours

REV	DATE	DESCRIPTION	DB	CB
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Akt. Rights to Light Surveyors Limited
Add: 26 Store Street, London WC1E 7BT
Tel: 0203 488 0516 Mob: 07840 848 570
www.rightstolightsurveyor-london.com

KEY


Buildings Assessed


Existing Buildings


Proposed Development


Existing Contour


Proposed Contour


Area of Light Loss

SOURCES OF INFORMATION

Existing Stocktons Building
AccuCities digital 3D AutoCAD model.

Proposed Stocktons Development
3D model produced by Akt. Rights of Light Surveyors Ltd using Simpsonhaugh planning application drawings.

Contextual 3D Model
AccuCities digital 3D AutoCAD model.

Oxygen Towers
3D models by Akt. Rights of Light Surveyors Ltd using 5plus Architects planning consented drawings.

Neighbouring Consented Buildings
AccuCities digital 3D AutoCAD model.

Emerging Context
3D model produced by Akt. Rights of Light Surveyors Ltd using Simpsonhaugh DAS planning application drawings.

TITLE

Oxygen Towers
Existing vs Proposed (+EC SRF update)

PROJECT

Stocktons, Manchester

CLIENT

Urbanbubble Limited

DRAWN BY
DW

CHECKED BY
DW

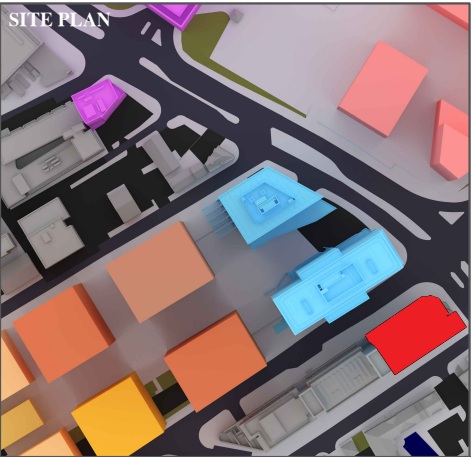
DATE
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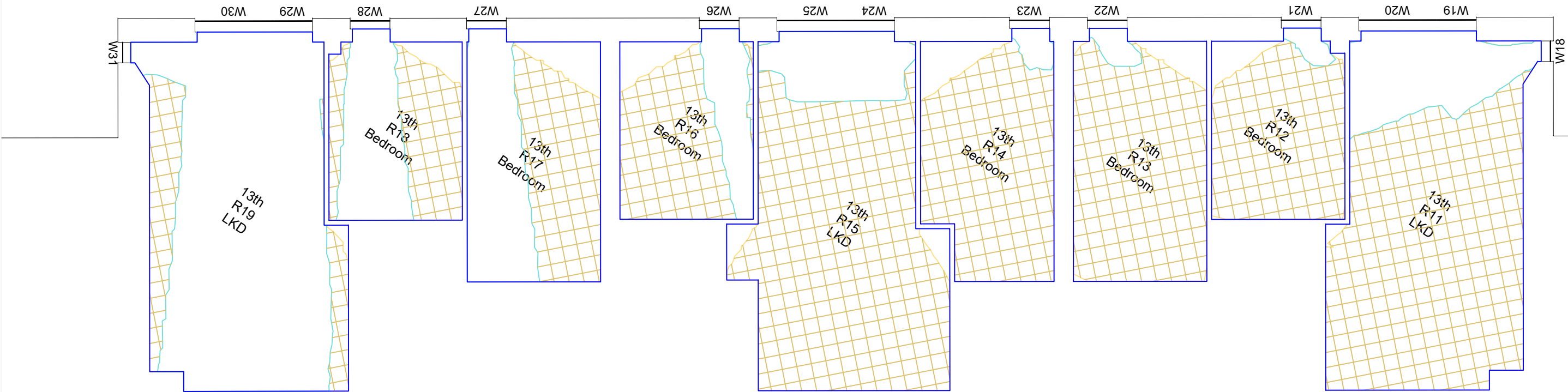
SCALE @ A3
NTS

PROJECT NUMBER
EKA251011

DRAWING NUMBER
DD13.1

REV
H





Tower 2 - Thirteenth Floor

Daylight Distribution /
No Sky Line Contours

REV	DATE	DESCRIPTION	DB	CB
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KEY


Buildings Assessed


Existing Buildings


Proposed Development


Existing Contour


Proposed Contour


Area of Light Loss

SOURCES OF INFORMATION

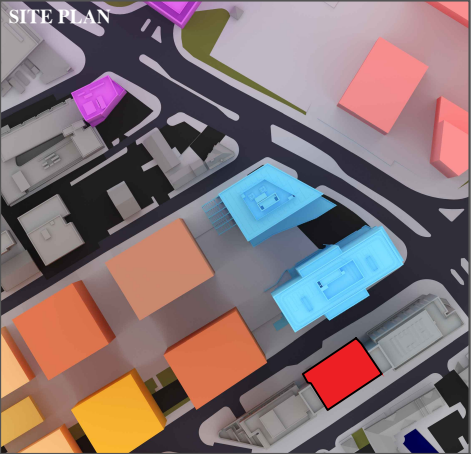
- Existing Stocktons Building**
AccuCities digital 3D AutoCAD model.
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AccuCities digital 3D AutoCAD model.
- Emerging Context**
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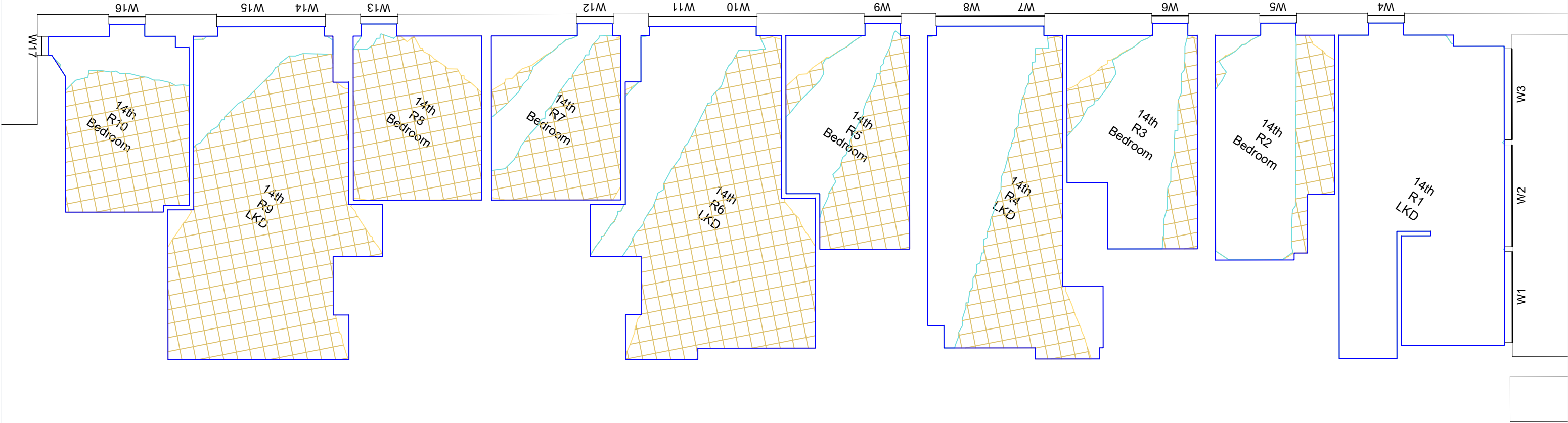
TITLE
Oxygen Towers
Existing vs Proposed (+EC SRF update)

PROJECT
Stocktons, Manchester

CLIENT
Urbanbubble Limited

DRAWN BY DW	CHECKED BY DW	DATE 08/01/2026
SCALE @ A3 NTS	PROJECT NUMBER EKA251011	
DRAWING NUMBER DD13.2	REV H	





Tower 1 - Fourteenth Floor

Daylight Distribution /
No Sky Line Contours

REV	DATE	DESCRIPTION	DB	CB
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KEY


Buildings Assessed


Existing Buildings


Proposed Development


Existing Contour


Proposed Contour


Area of Light Loss

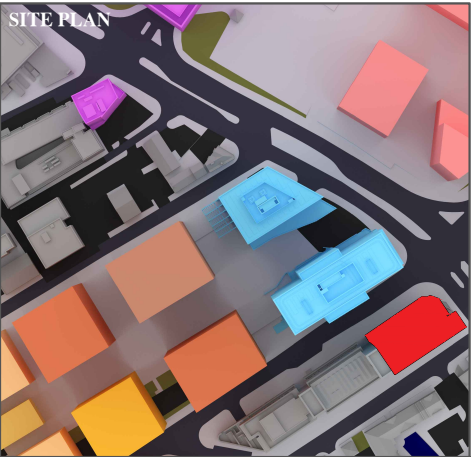
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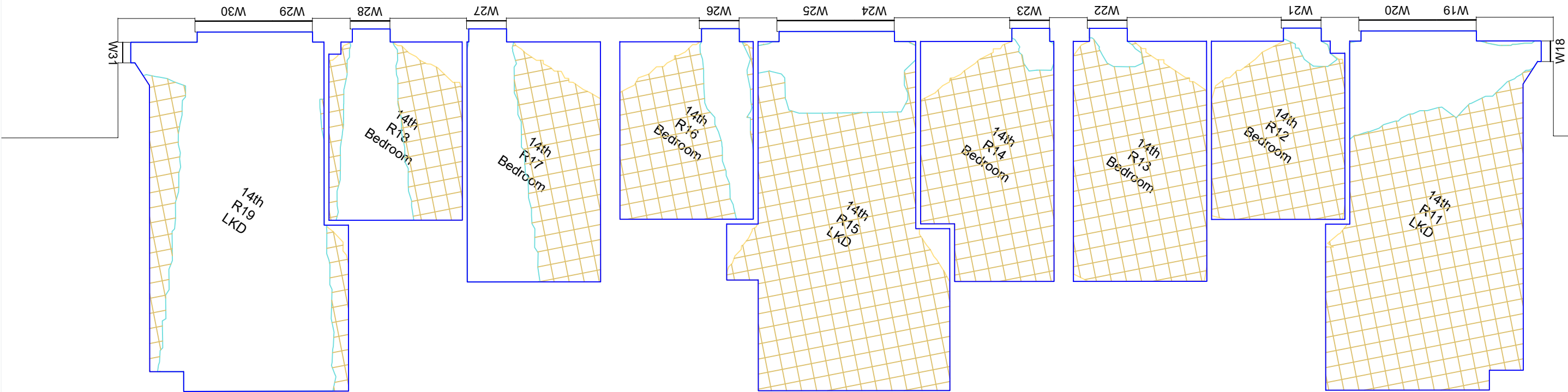
- Existing Stocktons Building**
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AccuCities digital 3D AutoCAD model.
- Emerging Context**
3D model produced by Akt. Rights of Light Surveyors Ltd using Simpsonhaugh DAS planning application drawings.

TITLE
Oxygen Towers
Existing vs Proposed (+EC SRF update)

PROJECT
Stocktons, Manchester

CLIENT Urbanbubble Limited		
DRAWN BY DW	CHECKED BY DW	DATE 08/01/2026
SCALE @ A3 NTS		PROJECT NUMBER EKA251011
DRAWING NUMBER DD14.1		REV H





Tower 2 - Fourteenth Floor

Daylight Distribution /
No Sky Line Contours

REV	DATE	DESCRIPTION	DB	CB
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Akt. Rights to Light Surveyors Limited
Add: 26 Store Street, London WC1E 7BT
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KEY

Buildings Assessed

Existing Buildings

Proposed Development

Existing Contour

Proposed Contour

Area of Light Loss

SOURCES OF INFORMATION

Existing Stocktons Building
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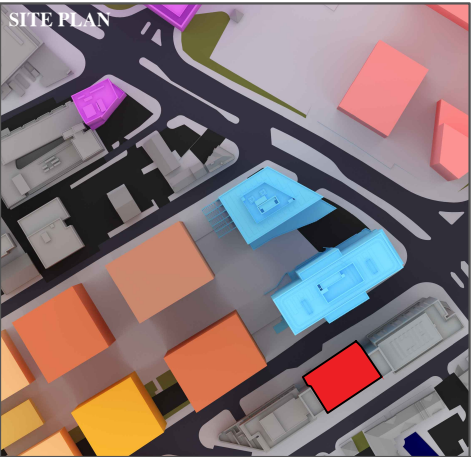
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AccuCities digital 3D AutoCAD model.

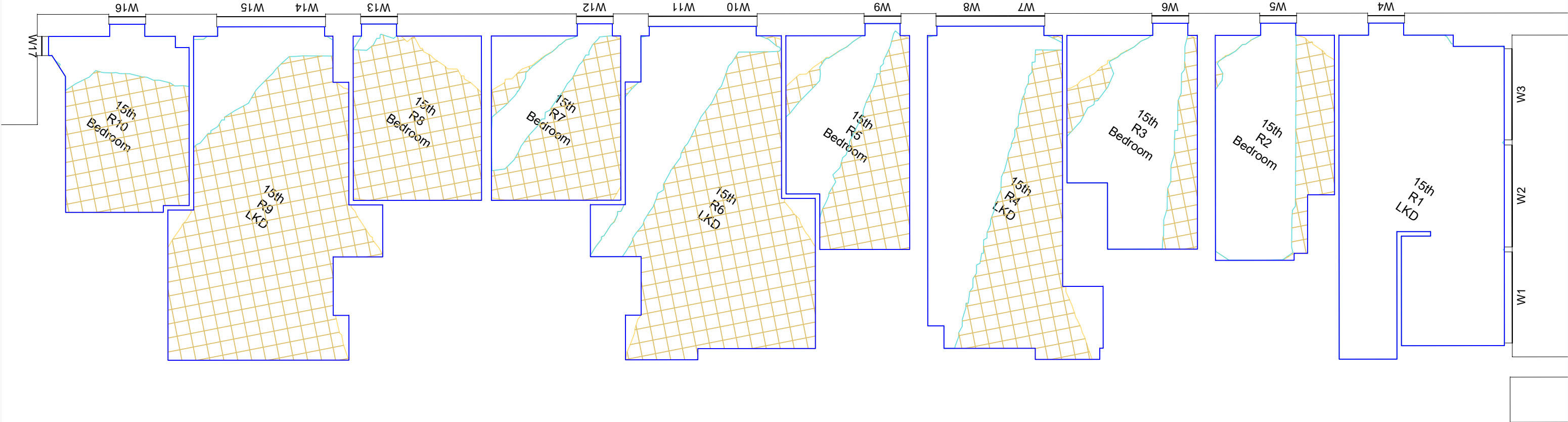
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Neighbouring Consented Buildings
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Emerging Context
3D model produced by Akt. Rights of Light Surveyors Ltd using Simpsonhaugh DAS planning application drawings.

TITLE Oxygen Towers Existing vs Proposed (+EC SRF update)		
PROJECT Stocktons, Manchester		
CLIENT Urbanbubble Limited		
DRAWN BY DW	CHECKED BY DW	DATE 08/01/2026
SCALE @ A3 NTS	PROJECT NUMBER EKA251011	
DRAWING NUMBER DD14.2		REV H





Tower 1 - Fifteenth Floor

Daylight Distribution /
No Sky Line Contours

REV	DATE	DESCRIPTION	DB	CB
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KEY


Buildings Assessed


Existing Buildings


Proposed Development


Existing Contour


Proposed Contour


Area of Light Loss

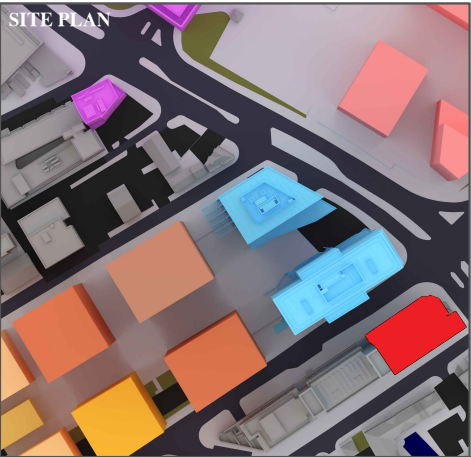
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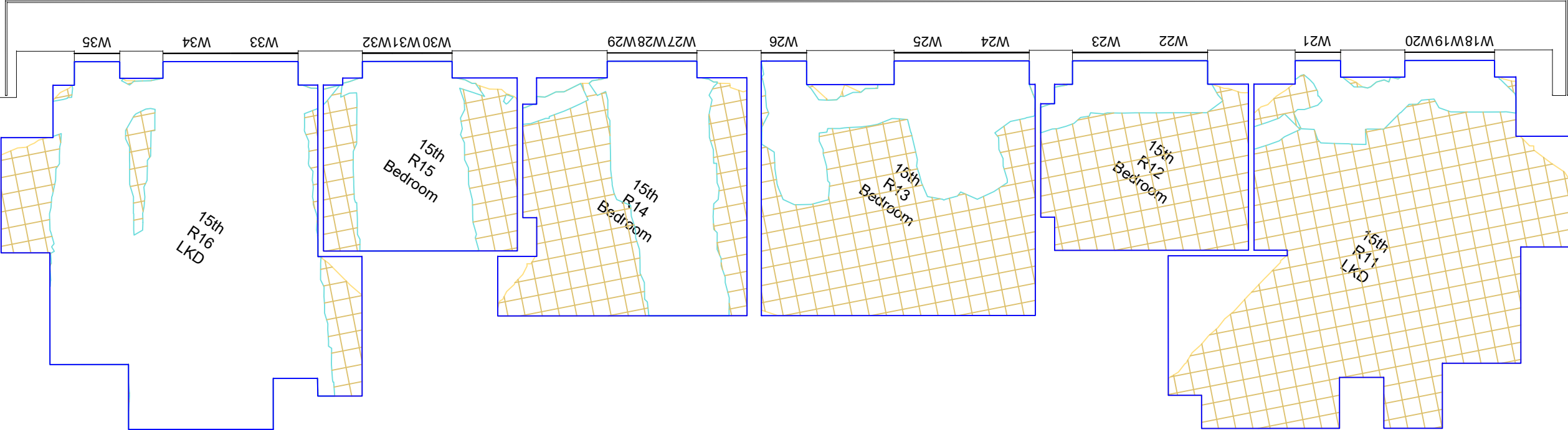
- Existing Stocktons Building**
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AccuCities digital 3D AutoCAD model.
- Emerging Context**
3D model produced by Akt. Rights of Light Surveyors Ltd using Simpsonhaugh DAS planning application drawings.

TITLE
Oxygen Towers
Existing vs Proposed (+EC SRF update)

PROJECT
Stocktons, Manchester

CLIENT Urbanbubble Limited		
DRAWN BY DW	CHECKED BY DW	DATE 08/01/2026
SCALE @ A3 NTS		PROJECT NUMBER EKA251011
DRAWING NUMBER DD15.1		REV H





Tower 2 - Fifteenth Floor

Daylight Distribution /
No Sky Line Contours

REV	DATE	DESCRIPTION	DB	CB
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Tel: 0203 488 0516 Mob: 07840 848 570
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KEY


Buildings Assessed


Existing Buildings


Proposed Development


Existing Contour


Proposed Contour


Area of Light Loss

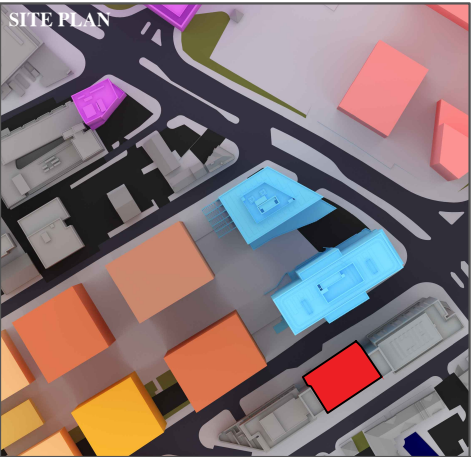
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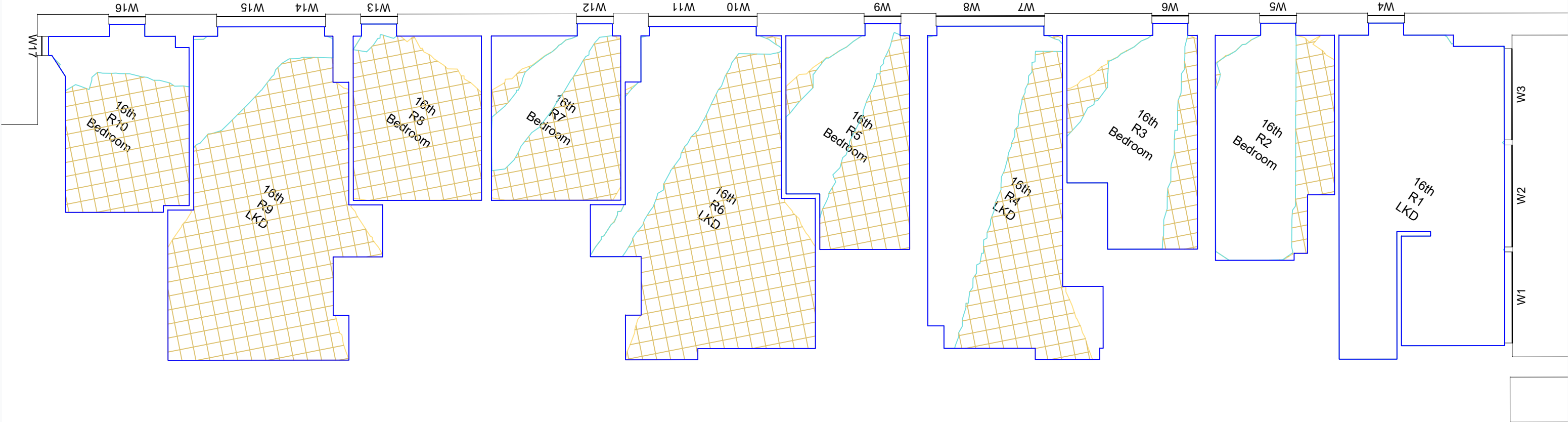
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- Emerging Context**
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TITLE
Oxygen Towers
Existing vs Proposed (+EC SRF update)

PROJECT
Stocktons, Manchester

CLIENT Urbanbubble Limited		
DRAWN BY DW	CHECKED BY DW	DATE 08/01/2026
SCALE @ A3 NTS	PROJECT NUMBER EKA251011	
DRAWING NUMBER DD15.2		REV H





Tower 1 - Sixteenth Floor

Daylight Distribution /
No Sky Line Contours

REV	DATE	DESCRIPTION	DB	CB
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Tel: 0203 488 0516 Mob: 07840 848 570
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KEY


Buildings Assessed


Existing Buildings


Proposed Development


Existing Contour


Proposed Contour


Area of Light Loss

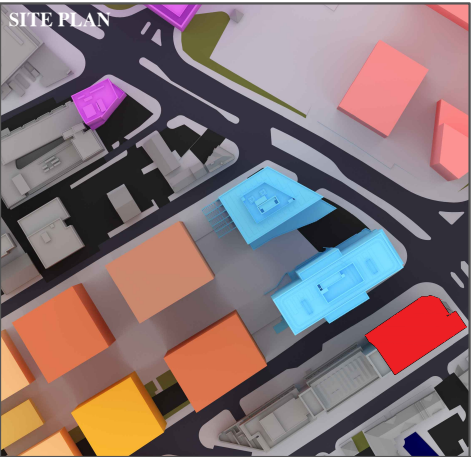
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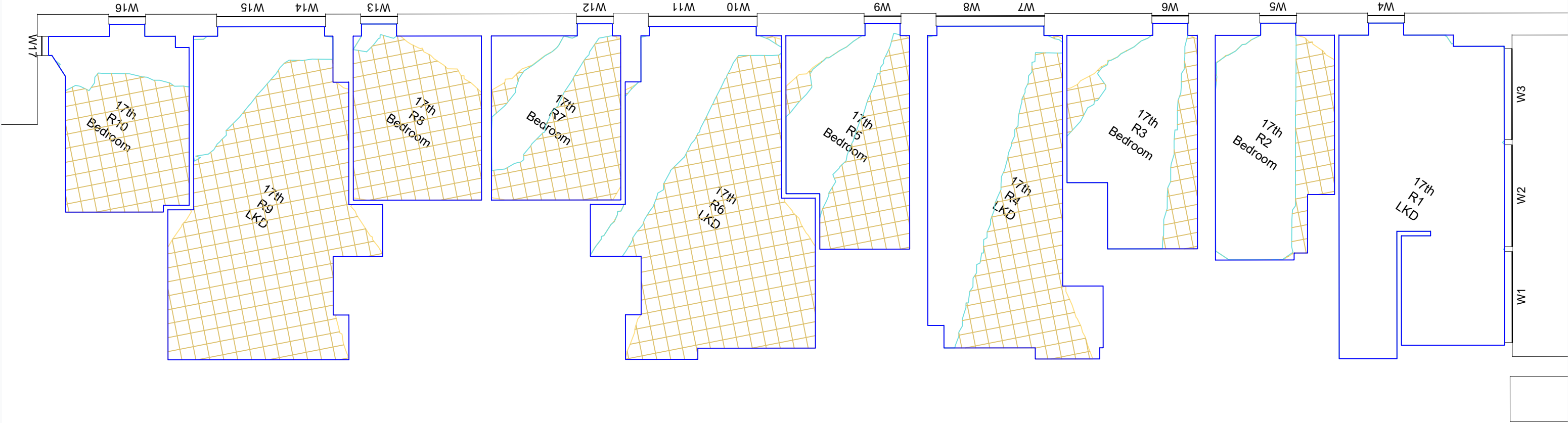
- Existing Stocktons Building**
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- Oxygen Towers**
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- Neighbouring Consented Buildings**
AccuCities digital 3D AutoCAD model.
- Emerging Context**
3D model produced by Akt. Rights of Light Surveyors Ltd using Simpsonhaugh DAS planning application drawings.

TITLE
Oxygen Towers
Existing vs Proposed (+EC SRF update)

PROJECT
Stocktons, Manchester

CLIENT		
Urbanbubble Limited		
DRAWN BY DW	CHECKED BY DW	DATE 08/01/2026
SCALE @ A3 NTS		PROJECT NUMBER EKA251011
DRAWING NUMBER DD16.1		REV H





Tower 1 - Seventeenth Floor

Daylight Distribution /
No Sky Line Contours

REV	DATE	DESCRIPTION	DB	CB
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Tel: 0203 488 0516 Mob: 07840 848 570
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KEY


Buildings Assessed


Existing Buildings


Proposed Development


Existing Contour


Proposed Contour


Area of Light Loss

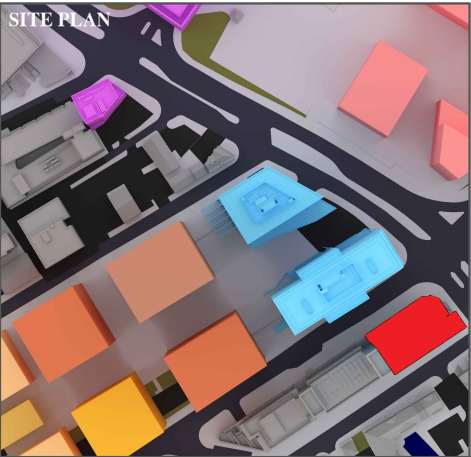
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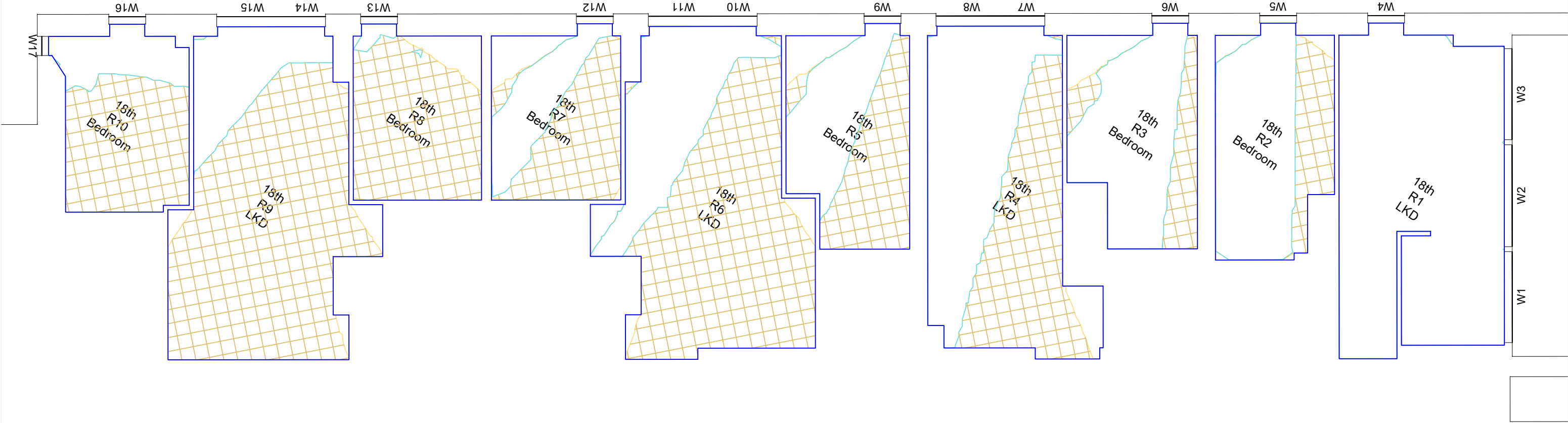
- Existing Stocktons Building**
AccuCities digital 3D AutoCAD model.
- Proposed Stocktons Development**
3D model produced by Akt. Rights of Light Surveyors Ltd using Simpsonhaugh planning application drawings.
- Contextual 3D Model**
AccuCities digital 3D AutoCAD model.
- Oxygen Towers**
3D models by Akt. Rights of Light Surveyors Ltd using 5plus Architects planning consented drawings.
- Neighbouring Consented Buildings**
AccuCities digital 3D AutoCAD model.
- Emerging Context**
3D model produced by Akt. Rights of Light Surveyors Ltd using Simpsonhaugh DAS planning application drawings.

TITLE
Oxygen Towers
Existing vs Proposed (+EC SRF update)

PROJECT
Stocktons, Manchester

CLIENT Urbanbubble Limited		
DRAWN BY DW	CHECKED BY DW	DATE 08/01/2026
SCALE @ A3 NTS		PROJECT NUMBER EKA251011
DRAWING NUMBER DD17.1		REV H





Tower 1 - Eighteenth Floor

Daylight Distribution /
No Sky Line Contours

REV	DATE	DESCRIPTION	DB	CB
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Akt. Rights to Light Surveyors Limited
Add: 26 Store Street, London WC1E 7BT
Tel: 0203 488 0516 Mob: 07840 848 570
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KEY

Buildings Assessed

Existing Buildings

Proposed Development

Existing Contour

Proposed Contour

Area of Light Loss

SOURCES OF INFORMATION

Existing Stocktons Building
AccuCities digital 3D AutoCAD model.

Proposed Stocktons Development
3D model produced by Akt. Rights of Light Surveyors Ltd using Simpsonhaugh planning application drawings.

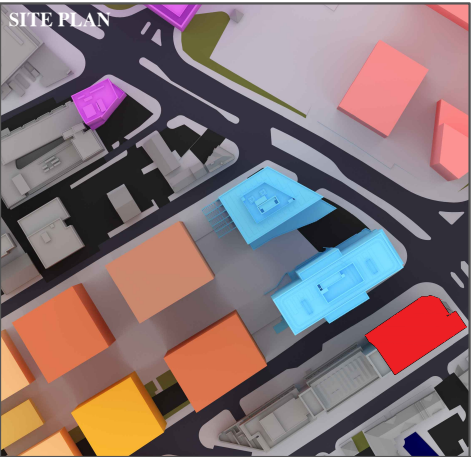
Contextual 3D Model
AccuCities digital 3D AutoCAD model.

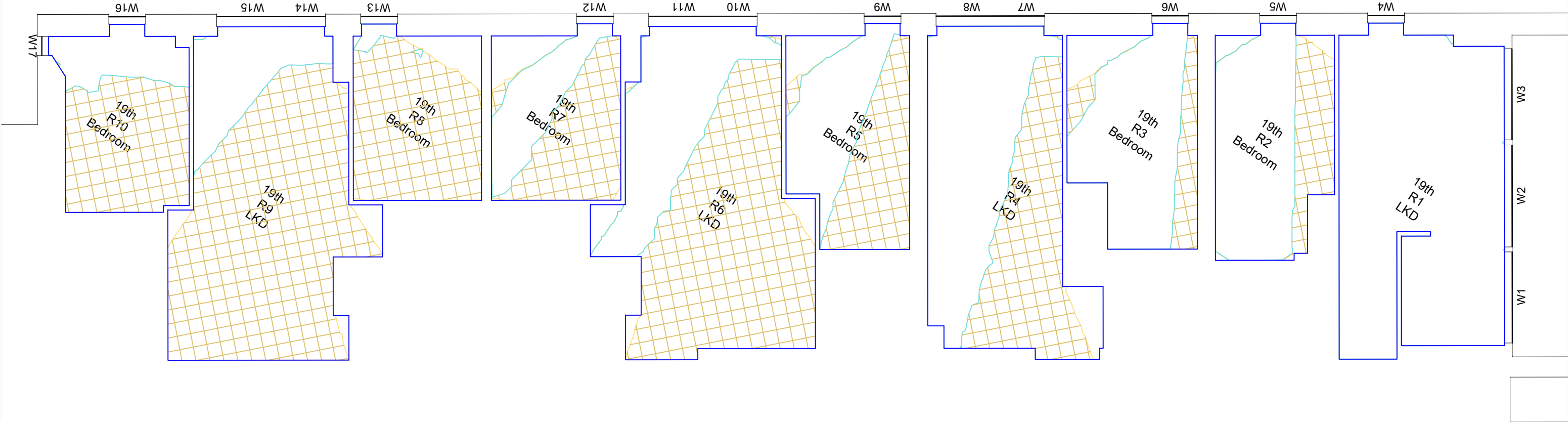
Oxygen Towers
3D models by Akt. Rights of Light Surveyors Ltd using 5plus Architects planning consented drawings.

Neighbouring Consented Buildings
AccuCities digital 3D AutoCAD model.

Emerging Context
3D model produced by Akt. Rights of Light Surveyors Ltd using Simpsonhaugh DAS planning application drawings.

TITLE Oxygen Towers Existing vs Proposed (+EC SRF update)		
PROJECT Stocktons, Manchester		
CLIENT Urbanbubble Limited		
DRAWN BY DW	CHECKED BY DW	DATE 08/01/2026
SCALE @ A3 NTS		PROJECT NUMBER EKA251011
DRAWING NUMBER DD18.1		REV H





Tower 1 - Nineteenth Floor

Daylight Distribution /
No Sky Line Contours

REV	DATE	DESCRIPTION	DB	CB
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Add: 26 Store Street, London WC1E 7BT
Tel: 0203 488 0516 Mob: 07840 848 570
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KEY

Buildings Assessed

Existing Buildings

Proposed Development

Existing Contour

Proposed Contour

Area of Light Loss

SOURCES OF INFORMATION

Existing Stocktons Building

AccuCities digital 3D AutoCAD model.

Proposed Stocktons Development

3D model produced by Akt. Rights of Light Surveyors Ltd using Simpsonhaugh planning application drawings.

Contextual 3D Model

AccuCities digital 3D AutoCAD model.

Oxygen Towers

3D models by Akt. Rights of Light Surveyors Ltd using 5plus Architects planning consented drawings.

Neighbouring Consented Buildings

AccuCities digital 3D AutoCAD model.

Emerging Context

3D model produced by Akt. Rights of Light Surveyors Ltd using Simpsonhaugh DAS planning application drawings.

TITLE

Oxygen Towers
Existing vs Proposed (+EC SRF update)

PROJECT

Stocktons, Manchester

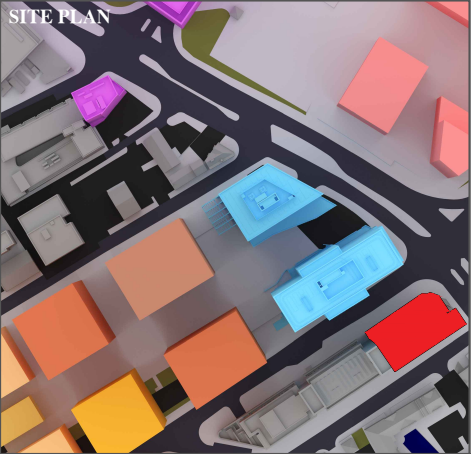
CLIENT

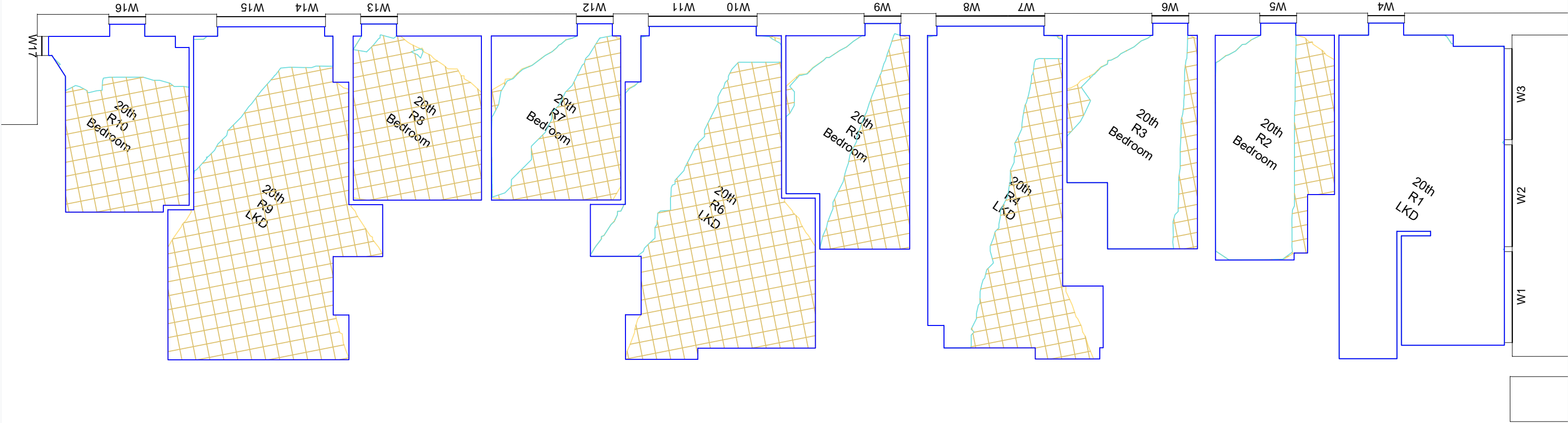
Urbanbubble Limited

DRAWN BY	CHECKED BY	DATE
DW	DW	08/01/2026

SCALE @ A3	PROJECT NUMBER
NTS	EKA251011

DRAWING NUMBER	REV
DD19.1	H





Tower 1 - Twentieth Floor

Daylight Distribution /
No Sky Line Contours

REV	DATE	DESCRIPTION	DB	CB
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Add: 26 Store Street, London WC1E 7BT
Tel: 0203 488 0516 Mob: 07840 848 570
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KEY


Buildings Assessed


Existing Buildings


Proposed Development


Existing Contour


Proposed Contour


Area of Light Loss

SOURCES OF INFORMATION

Existing Stocktons Building
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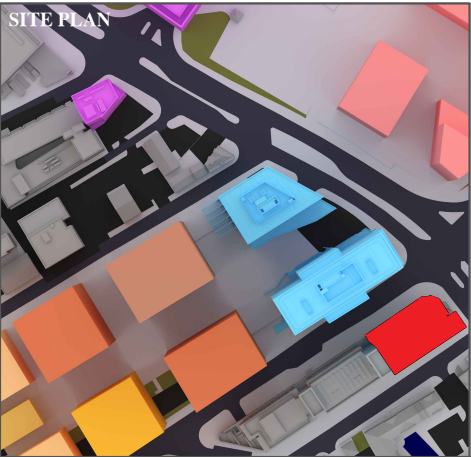
Contextual 3D Model
AccuCities digital 3D AutoCAD model.

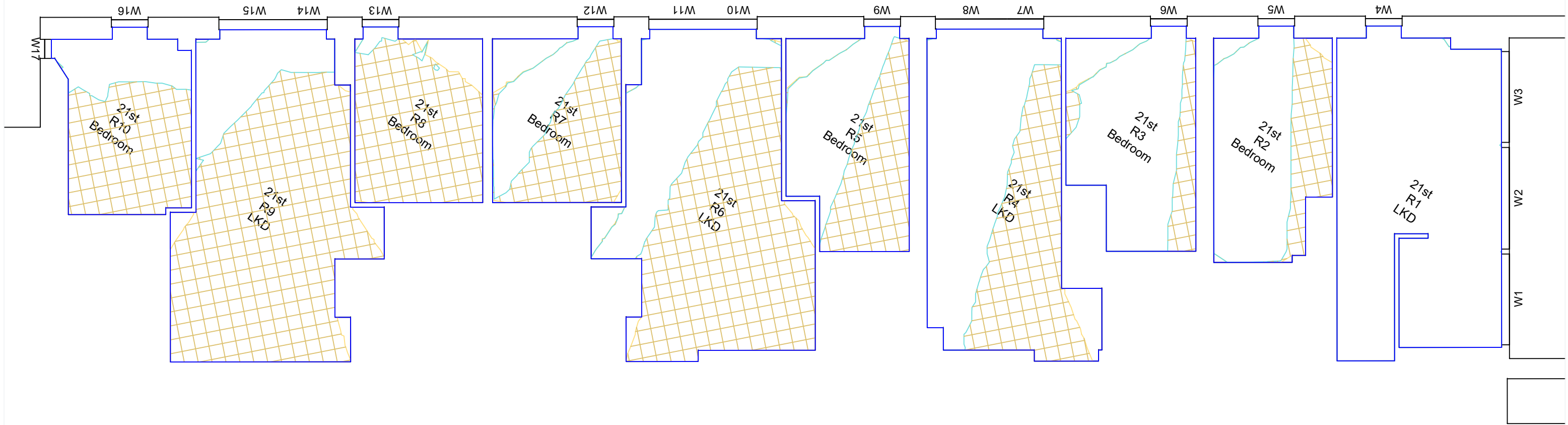
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Neighbouring Consented Buildings
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Emerging Context
3D model produced by Akt. Rights of Light Surveyors Ltd using Simpsonhaugh DAS planning application drawings.

TITLE Oxygen Towers Existing vs Proposed (+EC SRF update)		
PROJECT Stocktons, Manchester		
CLIENT Urbanbubble Limited		
DRAWN BY DW	CHECKED BY DW	DATE 08/01/2026
SCALE @ A3 NTS		PROJECT NUMBER EKA251011
DRAWING NUMBER DD20.1		REV H





Tower 1 - Twentyfirst Floor

Daylight Distribution /
No Sky Line Contours

REV	DATE	DESCRIPTION	DB	CB
-----	------	-------------	----	----

KEY


Buildings Assessed


Existing Buildings


Proposed Development


Existing Contour


Proposed Contour


Area of Light Loss

Akt. Rights to Light Surveyors Limited
Add: 26 Store Street, London WC1E 7BT
Tel: 0203 488 0516 Mob: 07840 848 570
www.rightstolightsurveyor-london.com

SOURCES OF INFORMATION

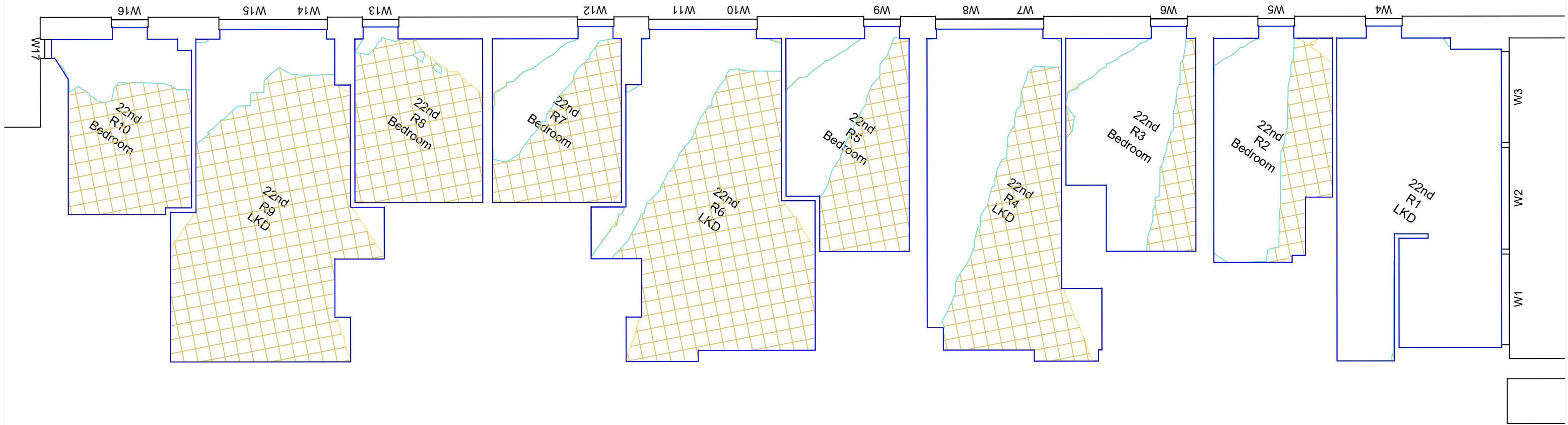
- Existing Stocktons Building**
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- Proposed Stocktons Development**
3D model produced by Akt. Rights of Light Surveyors Ltd using Simpsonhaugh planning application drawings.
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3D model produced by Akt. Rights of Light Surveyors Ltd using Simpsonhaugh DAS planning application drawings.

TITLE
Oxygen Towers
Existing vs Proposed (+EC SRF update)

PROJECT
Stocktons, Manchester

CLIENT Urbanbubble Limited		
DRAWN BY DW	CHECKED BY DW	DATE 08/01/2026
SCALE @ A3 NTS		PROJECT NUMBER EKA251011
DRAWING NUMBER DD21.1		REV H





Tower 1 - Twentysecond Floor

Daylight Distribution /
No Sky Line Contours

REV	DATE	DESCRIPTION	DB	CB
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- KEY**
- Buildings Assessed
 - Existing Buildings
 - Proposed Development
 - Existing Contour
 - Proposed Contour
 - Area of Light Loss

Akt. Rights to Light Surveyors Limited
Add: 26 Store Street, London WC1E 7BT
Tel: 0203 488 0516 Mob: 07840 848 570
www.rightstolightsurveyor-london.com

SOURCES OF INFORMATION

- Existing Stocktons Building**
AccuCities digital 3D AutoCAD model.
- Proposed Stocktons Development**
3D model produced by Akt. Rights of Light Surveyors Ltd using Simpsonhaugh planning application drawings.
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- Neighbouring Consented Buildings**
AccuCities digital 3D AutoCAD model.
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3D model produced by Akt. Rights of Light Surveyors Ltd using Simpsonhaugh DAS planning application drawings.

TITLE

Oxygen Towers
Existing vs Proposed (+EC SRF update)

PROJECT

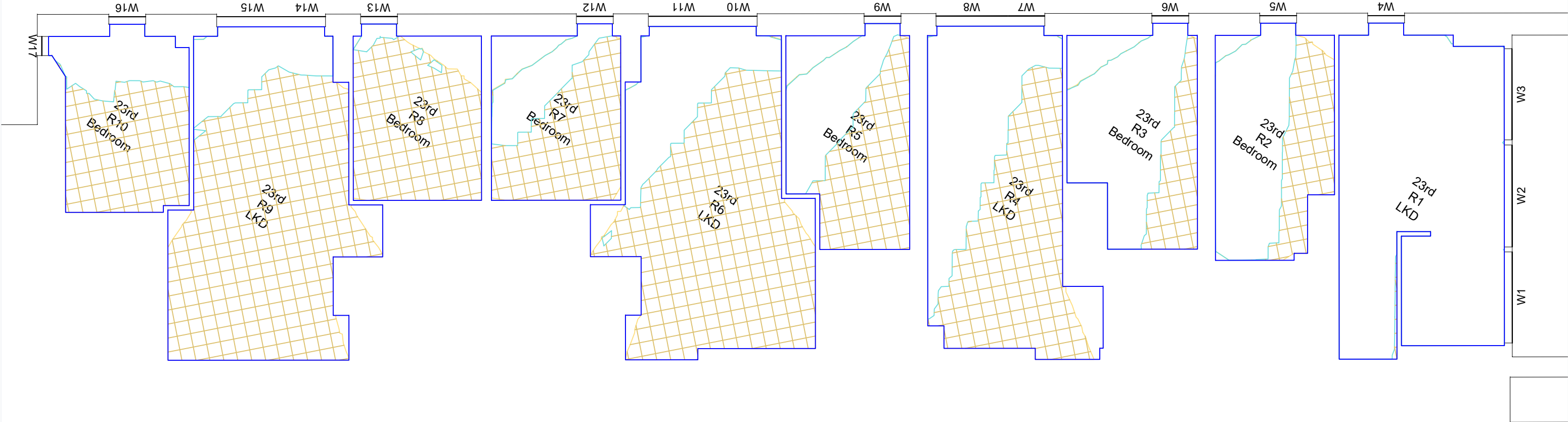
Stocktons, Manchester

CLIENT

Urbanbubble Limited

DRAWN BY DW	CHECKED BY DW	DATE 08/01/2026
SCALE @ A3 NTS		PROJECT NUMBER EKA251011
DRAWING NUMBER DD22.1		REV H





Tower 1 - Twentythird Floor

Daylight Distribution /
No Sky Line Contours

REV	DATE	DESCRIPTION	DB	CB
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Akt. Rights to Light Surveyors Limited
Add: 26 Store Street, London WC1E 7BT
Tel: 0203 488 0516 Mob: 07840 848 570
www.rightstolightsurveyor-london.com

KEY


Buildings Assessed


Existing Buildings


Proposed Development


Existing Contour


Proposed Contour


Area of Light Loss

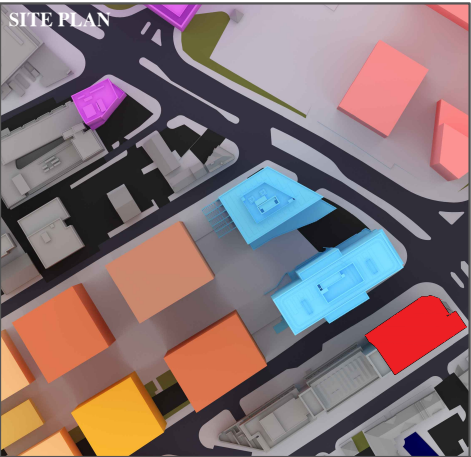
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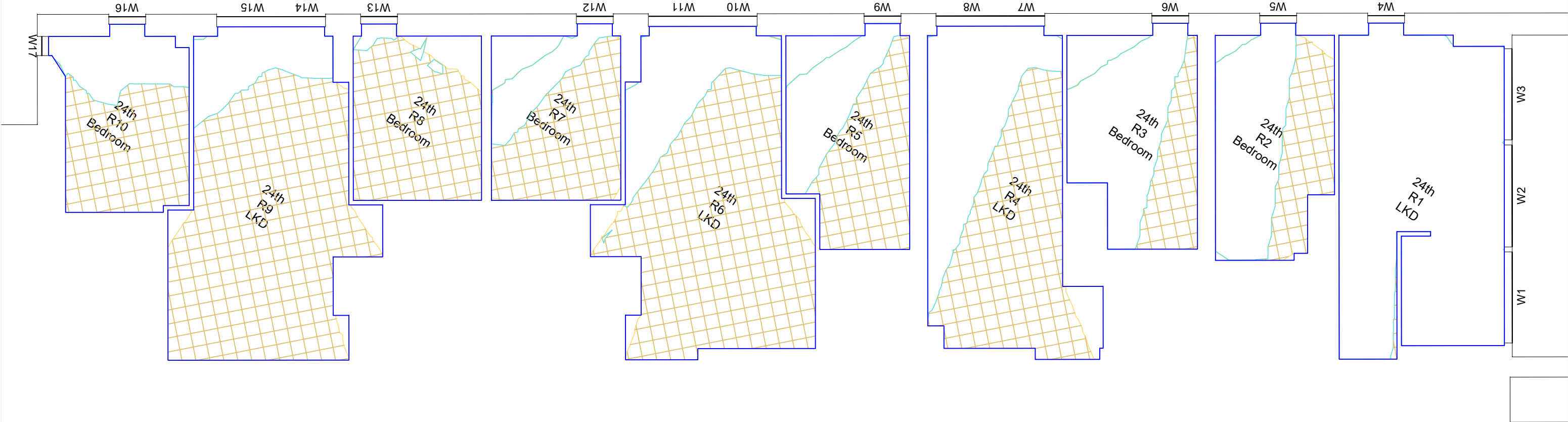
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TITLE
Oxygen Towers
Existing vs Proposed (+EC SRF update)

PROJECT
Stocktons, Manchester

CLIENT		
Urbanbubble Limited		
DRAWN BY DW	CHECKED BY DW	DATE 08/01/2026
SCALE @ A3 NTS		PROJECT NUMBER EKA251011
DRAWING NUMBER DD23.1		REV H





Tower 1 - Twentyfourth Floor

Daylight Distribution /
No Sky Line Contours

REV	DATE	DESCRIPTION	DB	CB
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Akt. Rights to Light Surveyors Limited
Add: 26 Store Street, London WC1E 7BT
Tel: 0203 488 0516 Mob: 07840 848 570
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KEY

Buildings Assessed

Existing Buildings

Proposed Development

Existing Contour

Proposed Contour

Area of Light Loss

SOURCES OF INFORMATION

Existing Stocktons Building
AccuCities digital 3D AutoCAD model.

Proposed Stocktons Development
3D model produced by Akt. Rights of Light Surveyors Ltd using Simpsonhaugh planning application drawings.

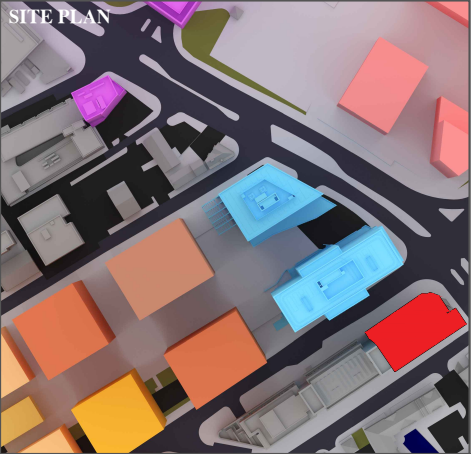
Contextual 3D Model
AccuCities digital 3D AutoCAD model.

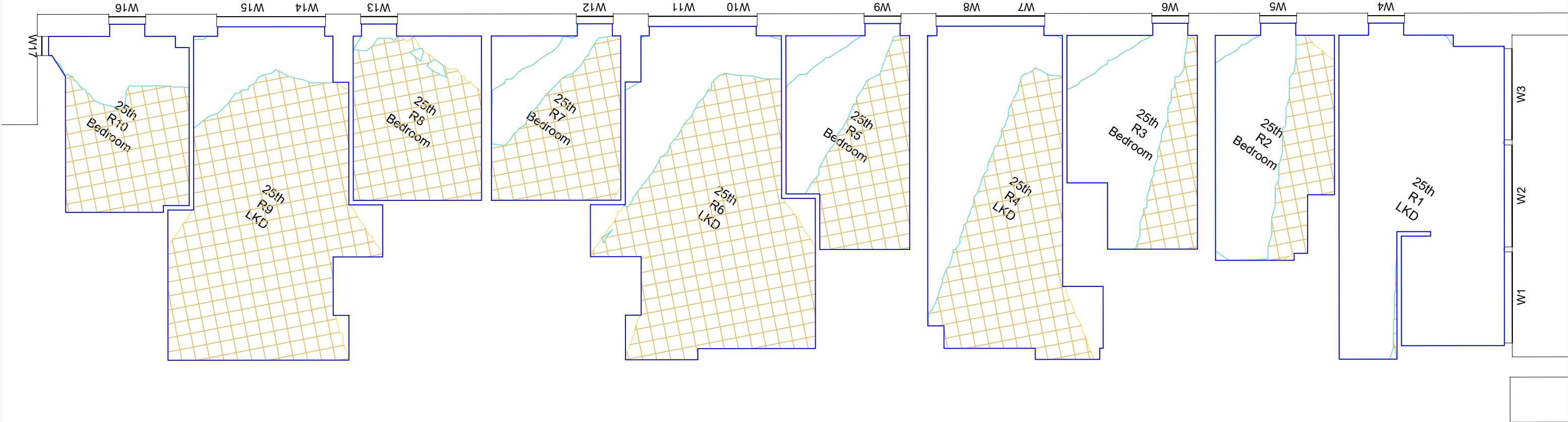
Oxygen Towers
3D models by Akt. Rights of Light Surveyors Ltd using 5plus Architects planning consented drawings.

Neighbouring Consented Buildings
AccuCities digital 3D AutoCAD model.

Emerging Context
3D model produced by Akt. Rights of Light Surveyors Ltd using Simpsonhaugh DAS planning application drawings.

TITLE Oxygen Towers Existing vs Proposed (+EC SRF update)		
PROJECT Stocktons, Manchester		
CLIENT Urbanbubble Limited		
DRAWN BY DW	CHECKED BY DW	DATE 08/01/2026
SCALE @ A3 NTS		PROJECT NUMBER EKA251011
DRAWING NUMBER DD24.1		REV H





Tower 1 - Twentyfifth Floor

Daylight Distribution /
No Sky Line Contours

REV	DATE	DESCRIPTION	DB	CB
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Akt. Rights to Light Surveyors Limited
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Tel: 0203 488 0516 Mob: 07840 848 570
www.rightstolightsurveyor-london.com

KEY

Buildings Assessed

Existing Buildings

Proposed Development

Existing Contour

Proposed Contour

Area of Light Loss

SOURCES OF INFORMATION

Existing Stocktons Building
AccuCities digital 3D AutoCAD model.

Proposed Stocktons Development
3D model produced by Akt. Rights of Light Surveyors Ltd using Simpsonhaugh planning application drawings.

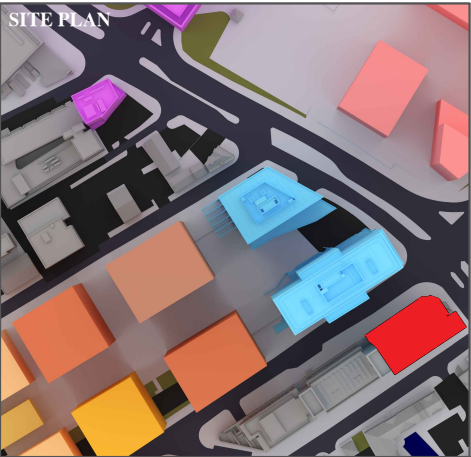
Contextual 3D Model
AccuCities digital 3D AutoCAD model.

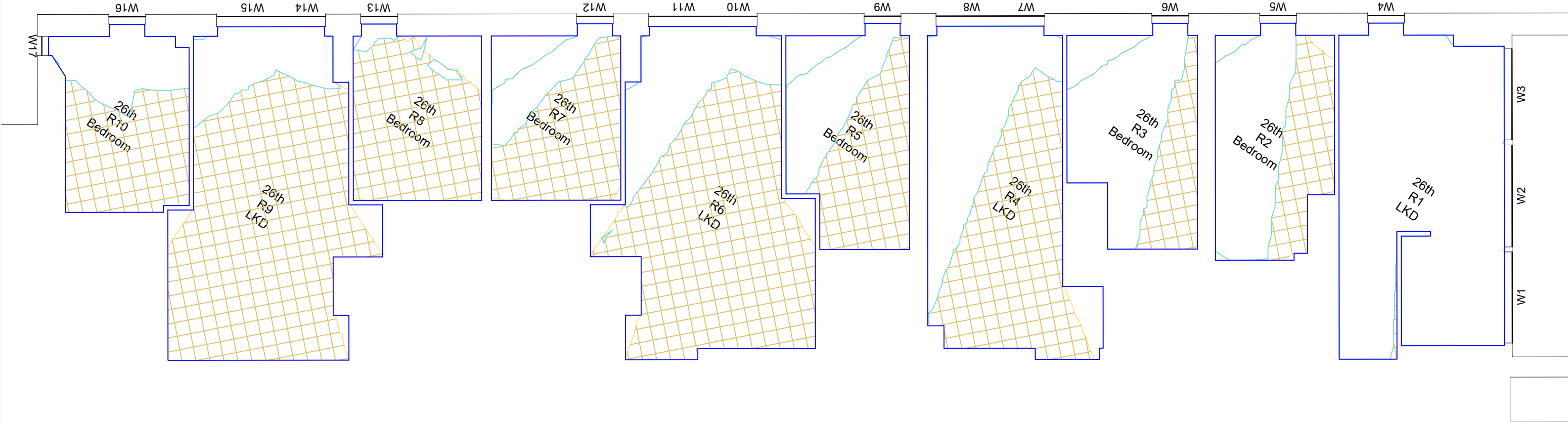
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Neighbouring Consented Buildings
AccuCities digital 3D AutoCAD model.

Emerging Context
3D model produced by Akt. Rights of Light Surveyors Ltd using Simpsonhaugh DAS planning application drawings.

TITLE Oxygen Towers Existing vs Proposed (+EC SRF update)		
PROJECT Stocktons, Manchester		
CLIENT Urbanbubble Limited		
DRAWN BY DW	CHECKED BY DW	DATE 08/01/2026
SCALE @ A3 NTS		PROJECT NUMBER EKA251011
DRAWING NUMBER DD25.1		REV H





Tower 1 - Twentysixth Floor

Daylight Distribution /
No Sky Line Contours

REV	DATE	DESCRIPTION	DB	CB
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KEY


Buildings Assessed


Existing Buildings


Proposed Development


Existing Contour


Proposed Contour


Area of Light Loss

SOURCES OF INFORMATION

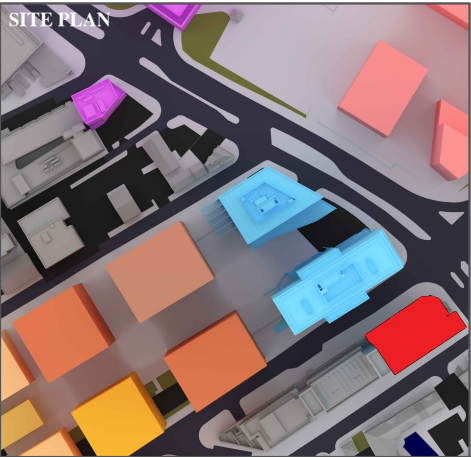
- Existing Stocktons Building**
AccuCities digital 3D AutoCAD model.
- Proposed Stocktons Development**
3D model produced by Akt. Rights of Light Surveyors Ltd using Simpsonhaugh planning application drawings.
- Contextual 3D Model**
AccuCities digital 3D AutoCAD model.
- Oxygen Towers**
3D models by Akt. Rights of Light Surveyors Ltd using 5plus Architects planning consented drawings.
- Neighbouring Consented Buildings**
AccuCities digital 3D AutoCAD model.
- Emerging Context**
3D model produced by Akt. Rights of Light Surveyors Ltd using Simpsonhaugh DAS planning application drawings.

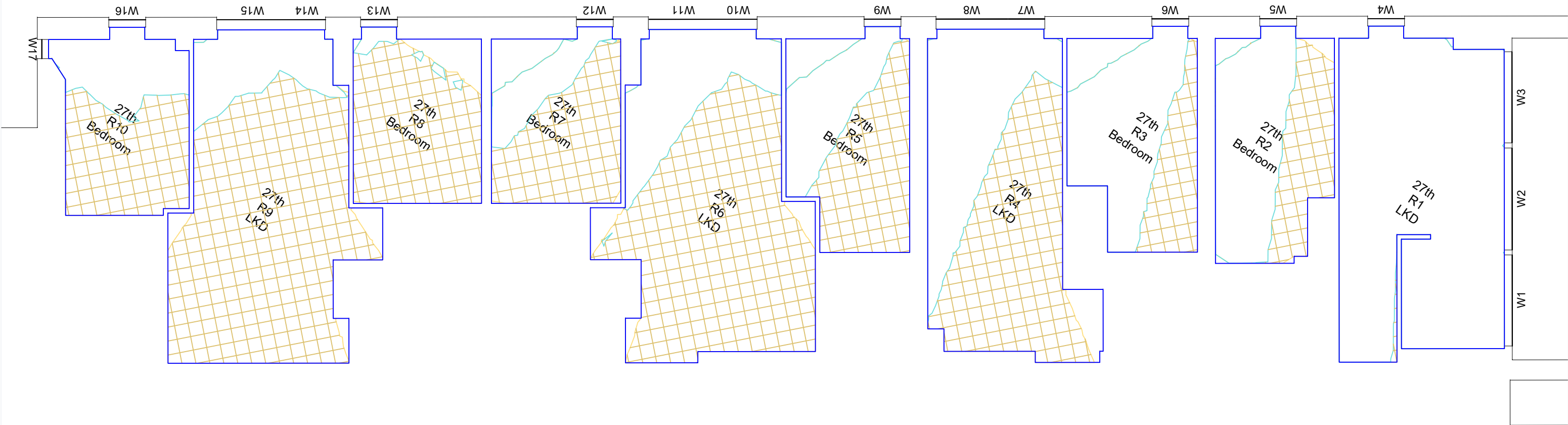
TITLE
Oxygen Towers
Existing vs Proposed (+EC SRF update)

PROJECT
Stocktons, Manchester

CLIENT
Urbanbubble Limited

DRAWN BY DW	CHECKED BY DW	DATE 08/01/2026
SCALE @ A3 NTS		PROJECT NUMBER EKA251011
DRAWING NUMBER DD26.1		REV H





Tower 1 - Twentyseventh Floor

Daylight Distribution /
No Sky Line Contours

REV	DATE	DESCRIPTION	DB	CB
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KEY


Buildings Assessed


Existing Buildings


Proposed Development


Existing Contour


Proposed Contour


Area of Light Loss

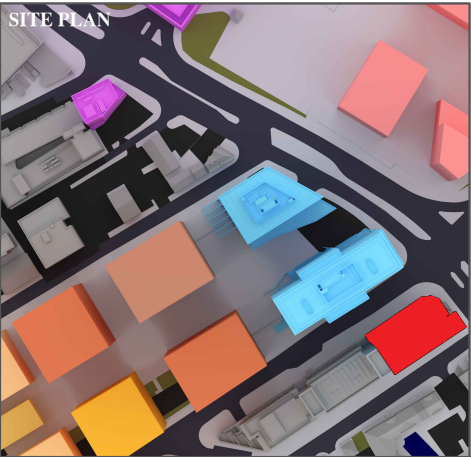
SOURCES OF INFORMATION

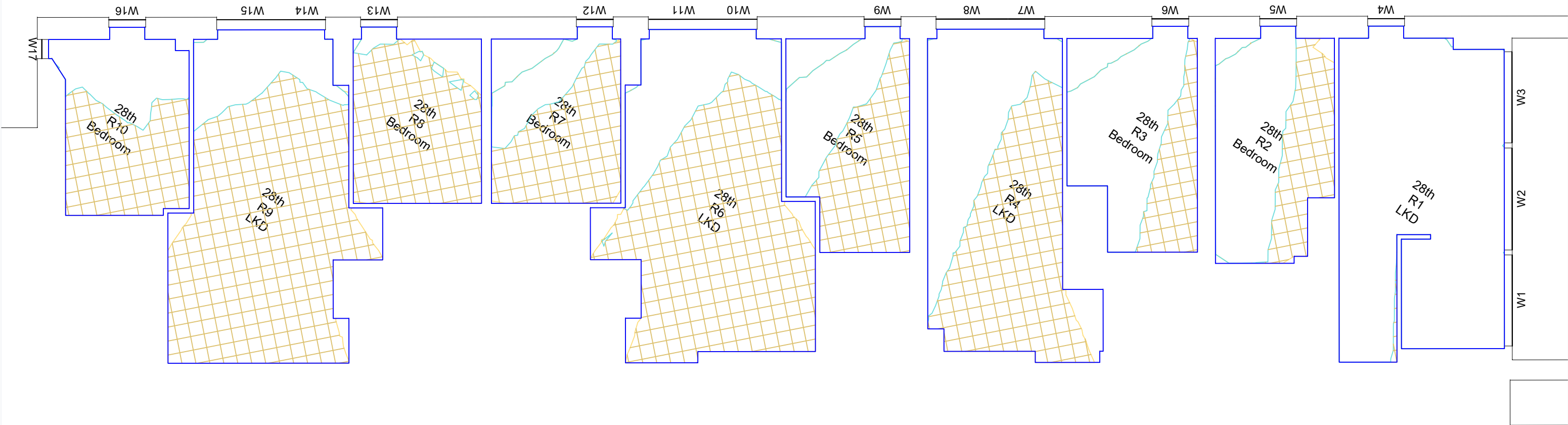
- Existing Stocktons Building**
AccuCities digital 3D AutoCAD model.
- Proposed Stocktons Development**
3D model produced by Akt. Rights of Light Surveyors Ltd using Simpsonhaugh planning application drawings.
- Contextual 3D Model**
AccuCities digital 3D AutoCAD model.
- Oxygen Towers**
3D models by Akt. Rights of Light Surveyors Ltd using 5plus Architects planning consented drawings.
- Neighbouring Consented Buildings**
AccuCities digital 3D AutoCAD model.
- Emerging Context**
3D model produced by Akt. Rights of Light Surveyors Ltd using Simpsonhaugh DAS planning application drawings.

TITLE
Oxygen Towers
Existing vs Proposed (+EC SRF update)

PROJECT
Stocktons, Manchester

CLIENT Urbanbubble Limited		
DRAWN BY DW	CHECKED BY DW	DATE 08/01/2026
SCALE @ A3 NTS		PROJECT NUMBER EKA251011
DRAWING NUMBER DD27.1		REV H





Tower 1 - Twentyeighth Floor

Daylight Distribution /
No Sky Line Contours

REV	DATE	DESCRIPTION	DB	CB
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KEY


Buildings Assessed


Existing Buildings


Proposed Development


Existing Contour


Proposed Contour


Area of Light Loss

SOURCES OF INFORMATION

Existing Stocktons Building

AccuCities digital 3D AutoCAD model.

Proposed Stocktons Development

3D model produced by Akt. Rights of Light Surveyors Ltd using Simpsonhaugh planning application drawings.

Contextual 3D Model

AccuCities digital 3D AutoCAD model.

Oxygen Towers

3D models by Akt. Rights of Light Surveyors Ltd using 5plus Architects planning consented drawings.

Neighbouring Consented Buildings

AccuCities digital 3D AutoCAD model.

Emerging Context

3D model produced by Akt. Rights of Light Surveyors Ltd using Simpsonhaugh DAS planning application drawings.

TITLE

Oxygen Towers

Existing vs Proposed (+EC SRF update)

PROJECT

Stocktons, Manchester

CLIENT

Urbanbubble Limited

DRAWN BY

DW

CHECKED BY

DW

DATE

08/01/2026

SCALE @ A3

NTS

PROJECT NUMBER

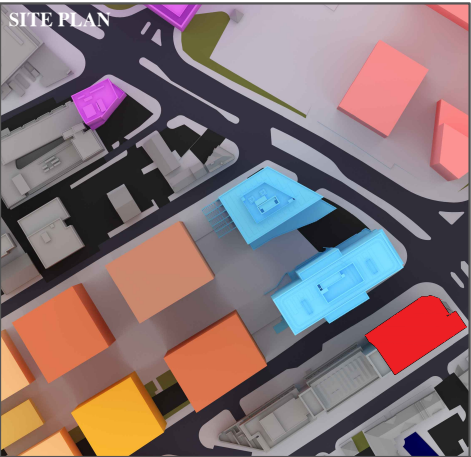
EKA251011

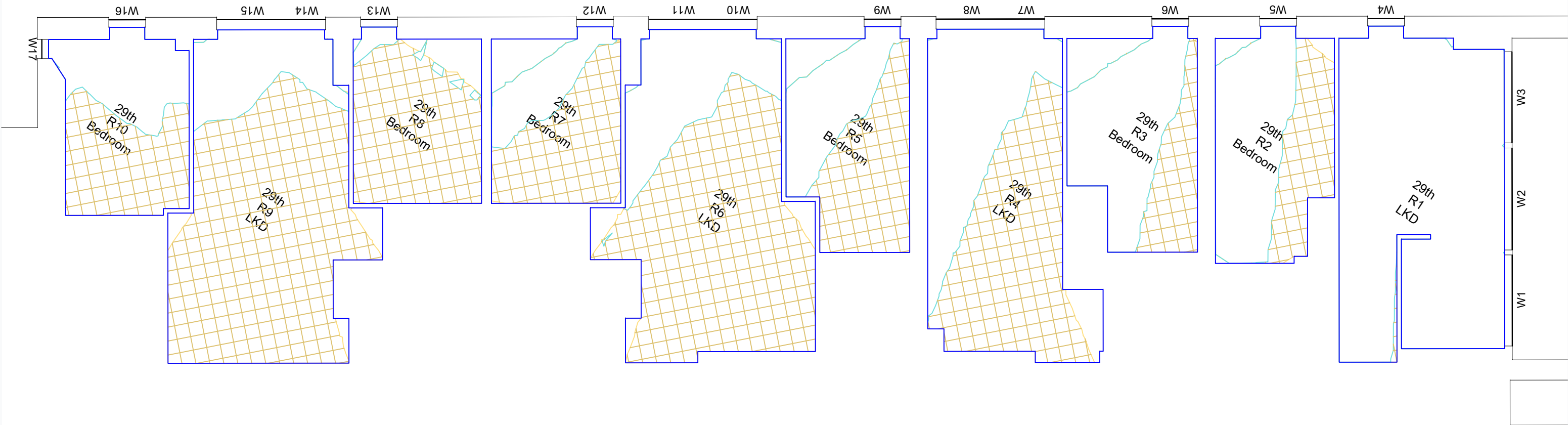
DRAWING NUMBER

DD28.1

REV

H





Tower 1 - Twentyninth Floor

Daylight Distribution /
No Sky Line Contours

REV	DATE	DESCRIPTION	DB	CB
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KEY


Buildings Assessed


Existing Buildings


Proposed Development


Existing Contour


Proposed Contour


Area of Light Loss

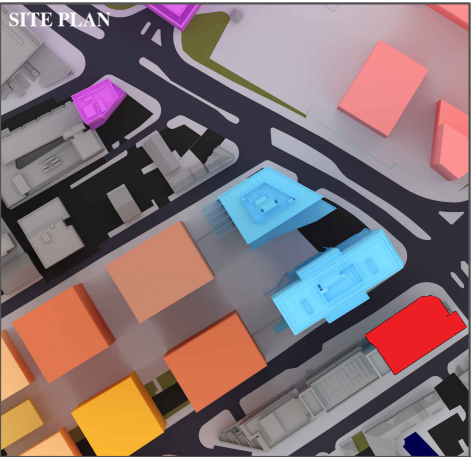
SOURCES OF INFORMATION

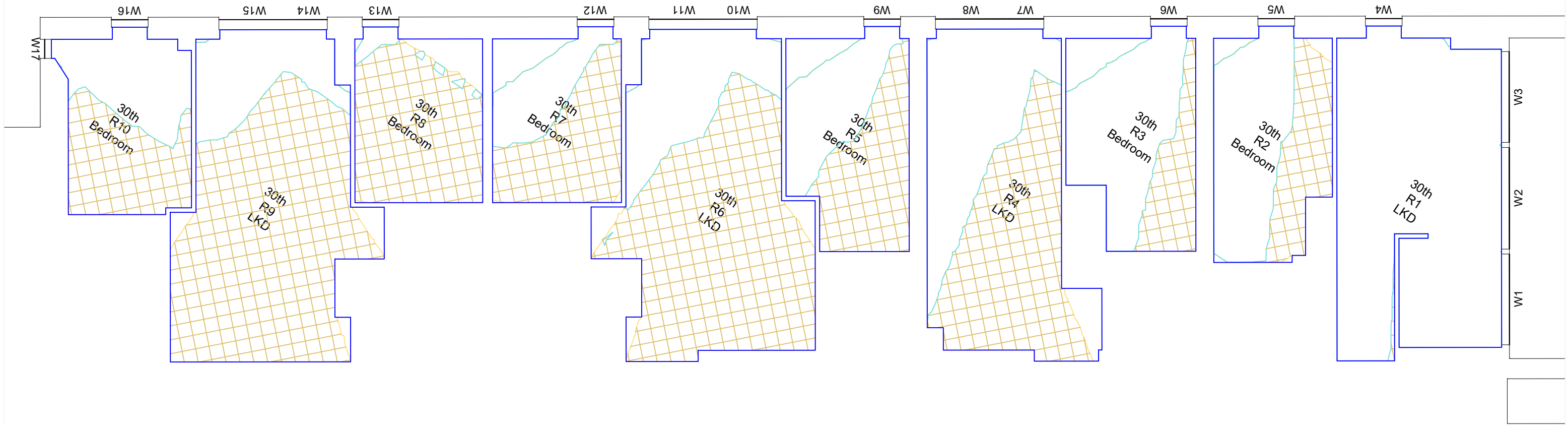
- Existing Stocktons Building**
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- Proposed Stocktons Development**
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- Contextual 3D Model**
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TITLE
Oxygen Towers
Existing vs Proposed (+EC SRF update)

PROJECT
Stocktons, Manchester

CLIENT Urbanbubble Limited		
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SCALE @ A3 NTS		PROJECT NUMBER EKA251011
DRAWING NUMBER DD29.1		REV H





Tower 1 - Thirtieth Floor

Daylight Distribution /
No Sky Line Contours

REV	DATE	DESCRIPTION	DB	CB
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KEY


Buildings Assessed


Existing Buildings


Proposed Development


Existing Contour


Proposed Contour


Area of Light Loss

Akt. Rights to Light Surveyors Limited
Add: 26 Store Street, London WC1E 7BT
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SOURCES OF INFORMATION

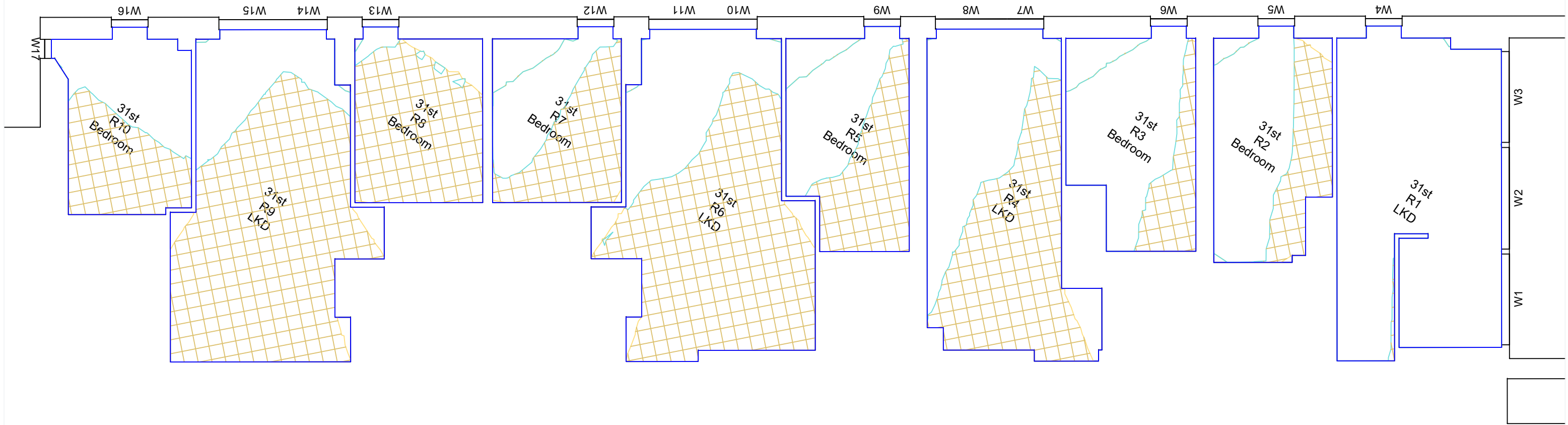
- Existing Stocktons Building**
AccuCities digital 3D AutoCAD model.
- Proposed Stocktons Development**
3D model produced by Akt. Rights of Light Surveyors Ltd using Simpsonhaugh planning application drawings.
- Contextual 3D Model**
AccuCities digital 3D AutoCAD model.
- Oxygen Towers**
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- Neighbouring Consented Buildings**
AccuCities digital 3D AutoCAD model.
- Emerging Context**
3D model produced by Akt. Rights of Light Surveyors Ltd using Simpsonhaugh DAS planning application drawings.

TITLE
Oxygen Towers
Existing vs Proposed (+EC SRF update)

PROJECT
Stocktons, Manchester

CLIENT Urbanbubble Limited		
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SCALE @ A3 NTS		PROJECT NUMBER EKA251011
DRAWING NUMBER DD30.1		REV H





Tower 1 - Thirtyfirst Floor

Daylight Distribution /
No Sky Line Contours

REV	DATE	DESCRIPTION	DB	CB
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Tel: 0203 488 0516 Mob: 07840 848 570
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KEY


Buildings Assessed


Existing Buildings


Proposed Development


Existing Contour


Proposed Contour


Area of Light Loss

SOURCES OF INFORMATION

Existing Stocktons Building
AccuCities digital 3D AutoCAD model.

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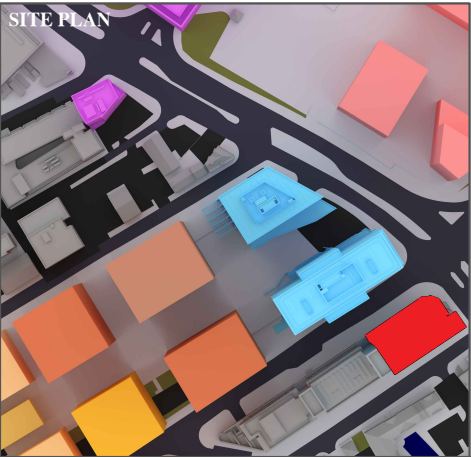
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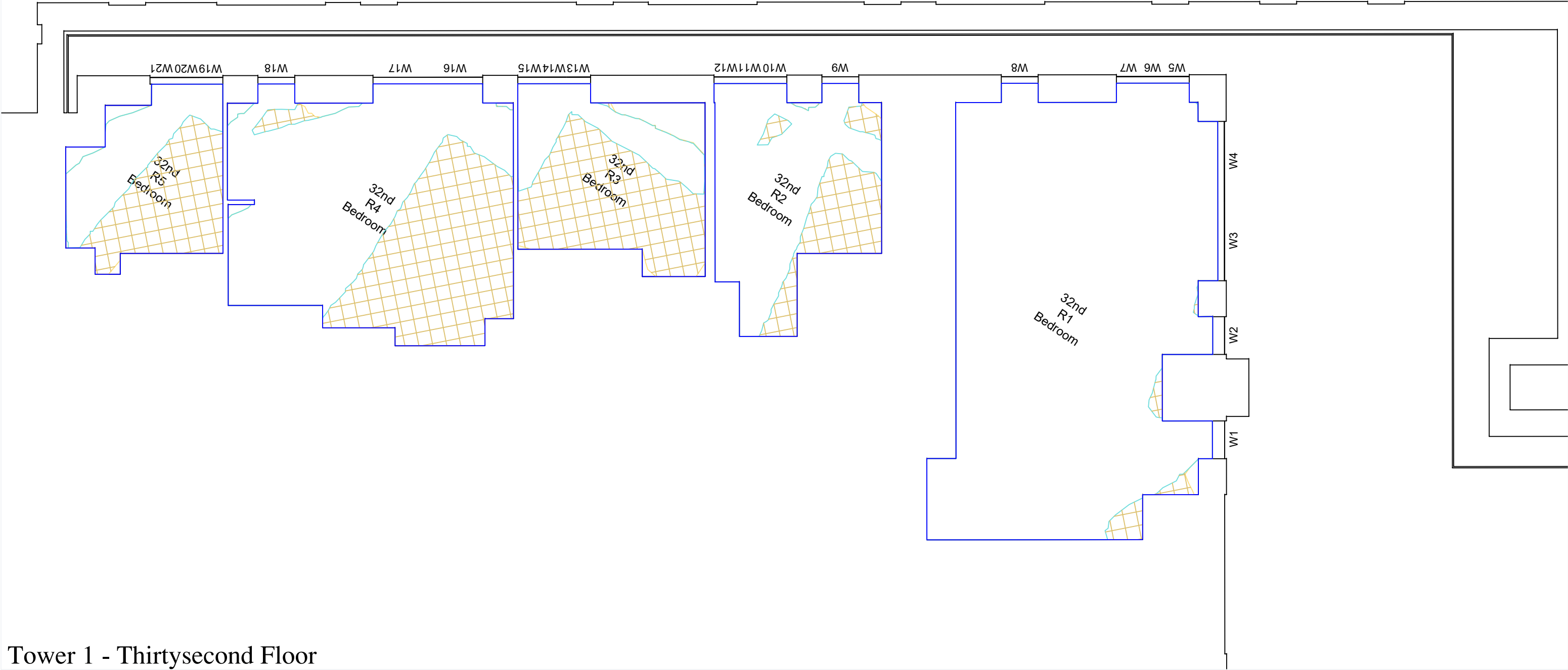
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TITLE Oxygen Towers Existing vs Proposed (+EC SRF update)		
PROJECT Stocktons, Manchester		
CLIENT Urbanbubble Limited		
DRAWN BY DW	CHECKED BY DW	DATE 08/01/2026
SCALE @ A3 NTS	PROJECT NUMBER EKA251011	
DRAWING NUMBER DD31.1		REV H





Tower 1 - Thirtysecond Floor

Daylight Distribution /
No Sky Line Contours

REV	DATE	DESCRIPTION	DB	CB
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KEY

Buildings Assessed

Existing Buildings

Proposed Development

Existing Contour

Proposed Contour

Area of Light Loss

SOURCES OF INFORMATION

Existing Stocktons Building
AccuCities digital 3D AutoCAD model.

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TITLE
Oxygen Towers
Existing vs Proposed (+EC SRF update)

PROJECT
Stocktons, Manchester

CLIENT
Urbanbubble Limited

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SCALE @ A3 NTS		PROJECT NUMBER EKA251011
DRAWING NUMBER DD32.1		REV H

